SUMMARY

QUÉBEC'S FOREST RESOURCES AND INDUSTRY

A STATISTICAL REPORT 2008 ÉDITION

Québec

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QUÉBEC'S FOREST RESOURCES AND INDUSTRY

A STATISTICAL REPORT
2008 EDITION

DESIGN, RESEARCH AND TEXT
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Note:
The preparation of this report required the collaboration of all the administrative units within the Secteur des forêts and Forêt Québec. Unless otherwise indicated, the data are provided by the administrative unit of the ministère des Ressources naturelles et de la Faune with responsibility for the sector in question.

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FOREWORD

In keeping with its mission, the ministère des Ressources naturelles et de la Faune (MRNF) continues to make different tools available to anyone interested in the forests, including this document. As in past years, the 2008 edition of **Québec's Forest Resources and Industry** contains a **succinct statistical report** on Québec's forest sector. However, this year we have made some minor changes to the content. For example, the survey chapter data are drawn exclusively from the third ten-year forest survey.

The full version of **Québec's Forest Resources and Industry** is available in French only, in **PDF** and **Excel** formats on the MRNF's website at : http://www.mrnfp.gouv.qc.ca/forets/connaissances/connaissances-statistiques.jsp [1]. To facilitate research, French-language and English-language summaries, containing the highlights of each chapter along with the principal maps and tables, are also available on the same website.

We hope you find this year's report as useful as past editions and, as always, we welcome your comments.

1. The full version is updated regularly, and we invite you to obtain the most recent data by consulting it on a regular basis.

NOTE TO READERS

The full version of this document (in French only) can be obtained from the website of the Ministère des Ressources naturelles et de la Faune (http://www.mrnfp.gouv.qc.ca/) by clicking on the **Forêts, Connaissances forestières et environnementales** and **Les Statistiques forestières** tabs, and then selecting **complète** or **résumée**. In the Excel version, the tabs appearing at the bottom of the screen provide access to the various sheets.

Readers wishing to use the data contained in this publication should bear in mind the changes made to some of the tables illustrating statistical trends. An attempt to compare this year's tables with those of previous years may be difficult and lead only to confusion. In the Excel version, some data may appear to be cut off, due to on-screen column widths. To remedy this problem, use the PDF version or simply print the file instead of consulting it on screen.

For further information, please contact the author, Blaise Parent, at (418) 627-8644, extension 4112.

IMPORTANT NOTES

Each table, chart and map has been assigned a reference code, which is indicated in the upper right-hand corner. The first two figures of the code correspond to the chapter, the next two to the section and the last two to illustration. For example, code **02.01.03** designates the third illustration of the first section of chapter 2.

The letter (g) added in parentheses at the end of the code 05.01.10 (g) signifies that this page contains the source data for the graphic 05.01.10. As well, the number (2) added in parentheses at the end of the code 12.01.01 (2) indicates that this page contains the data from the preceding table, 12.01.01, including data on the furniture and/or printing industry.

Symbols Used in the Tables and Diagrams

.. : data not available
... : data not shown
p : provisional data
r : revised data
e : estimated data
x : confidential data
- : none or zero
— : small cap data

Symbols used

TSFMAs : Timber supply and forest management agreements
FMAs : Forest management agreements
FMCs : Forest management contracts
cm : centimetre
cm^3 : cubic centimetre
SIC : Standard Industrial Classification for companies and industries (1980 structure) Statistics Canada
dm^3 : cubic decimetre
€ : euro
G : $, billion
ha : hectare
hl : hectolitre
k : $, thousand
kg : kilogram
km : kilometre
km^2 : square kilometre
L : litre
lb : pound
m : metre
m^2 : square metre
m^3 : cubic metre
M : $, million
Kbd ft : thousand, board feet
Mbd ft : million, board feet
Gbd ft : billion, board feet
no. : number
n.e.s. : not elsewhere specified
sq.ft. : square foot
bd ft: board foot
" : inch
NAICS : North American Industry Classification System (Statistics Canada's new 2000 structure)
FSPL : fir, spruce, jack pine, larch
t : ton
mt : metric ton
BDMT: bone-dry metric ton
ngrv : nominal gross raw volume
% : percent
$: dollar
£ : pound sterling
¥ : yen

Conversion factors

1 cord of wood = 85 solid cubic feet = 2.41 cubic metres
1 cunit = 100 solid cubic feet = 2.831 cubic metres
1 board foot (bd ft) = a piece of wood 1 inch thick by 1 foot wide by 1 foot long
1,000 board feet (bd ft) = 2.36 cubic metres (net value)
1 cubic metre = 423.7 bd ft = 35.3 cubic feet = 0.353 cunits = 1.5 stacked cubic metres
1 metric ton (long ton) = 1,000 kilograms = 2,205 pounds
1 imperial ton (short ton) = 2,000 pounds
1 square kilometre = 100 hectares = 0.386 square miles
1 hectare = 2.47 acres

GLOSSARY OF THE MAIN ECONOMIC TERMS USED IN THE TEXT

Establishment

The smallest operating unit, generally a mill or factory, able to provide data on its inputs, outputs and activities for calculation of added value.

Total jobs

Positions related to production or to non-manufacturing activities in an establishment (cafeteria, head office, administration or sales). Also includes jobs generated by new construction, repairs or major alterations. Ownership and active partnership positions, which are not considered as salaried positions, are not included in the total jobs figure.

Total salaries and wages

Amounts allocated for compensation of all the salaried and non-salaried employees of an organization.

Value of shipments and other income

Value of shipments of company-specific products plus income obtained from non-manufacturing activities such as the sale of goods purchased and resold without processing, the book value of construction and capital work carried out by the establishment's personnel, for its own use, the cafeteria, etc.

Value added to total activity

Value added in the manufacturing activity, plus added value from non-manufacturing activities. This latter figure is obtained by subtracting from gross non-manufacturing production all purchases of goods for resale without processing (taking into account the net stocks variable for those goods), purchases of materials and supplies used in new construction or the production of machinery and tools for use by the establishment, and office supplies purchased and used by the establishment in a non-manufacturing activity.

Capital Expenditures

Capital expenditures include the cost of acquiring, constructing and installing plant, materials and sustainable tools, whether for replacement of rental.

Maintenance and repairs

Amounts paid to maintain works, materials and tools in good condition. They are not considered to be capital expenditures and are indicated separately.

GLOSSARY OF THE MAIN ECONOMIC TERMS USED IN THE TEXT (cont'd)

Constant dollars

Dollars in a reference year used as a basis for converting dollars from other years, to eliminate the impact of fluctuations in purchasing power. The conversion is made using a price index.

Balance of trade

The difference between the monetary value of exports and imports of merchandise, goods and services. If a country exports more than it imports, its balance of trade is positive. If it imports more than it exports, its balance of trade is negative.

National exports

Products grown, extracted or manufactured in Canada and sold to other countries, including products from foreign sources that are processed in Canada.

Shipment

Shipment of merchandise (goods) to a domestic or foreign destination.

Imports

All merchandise introduced into a country, whether for immediate consumption or storage.

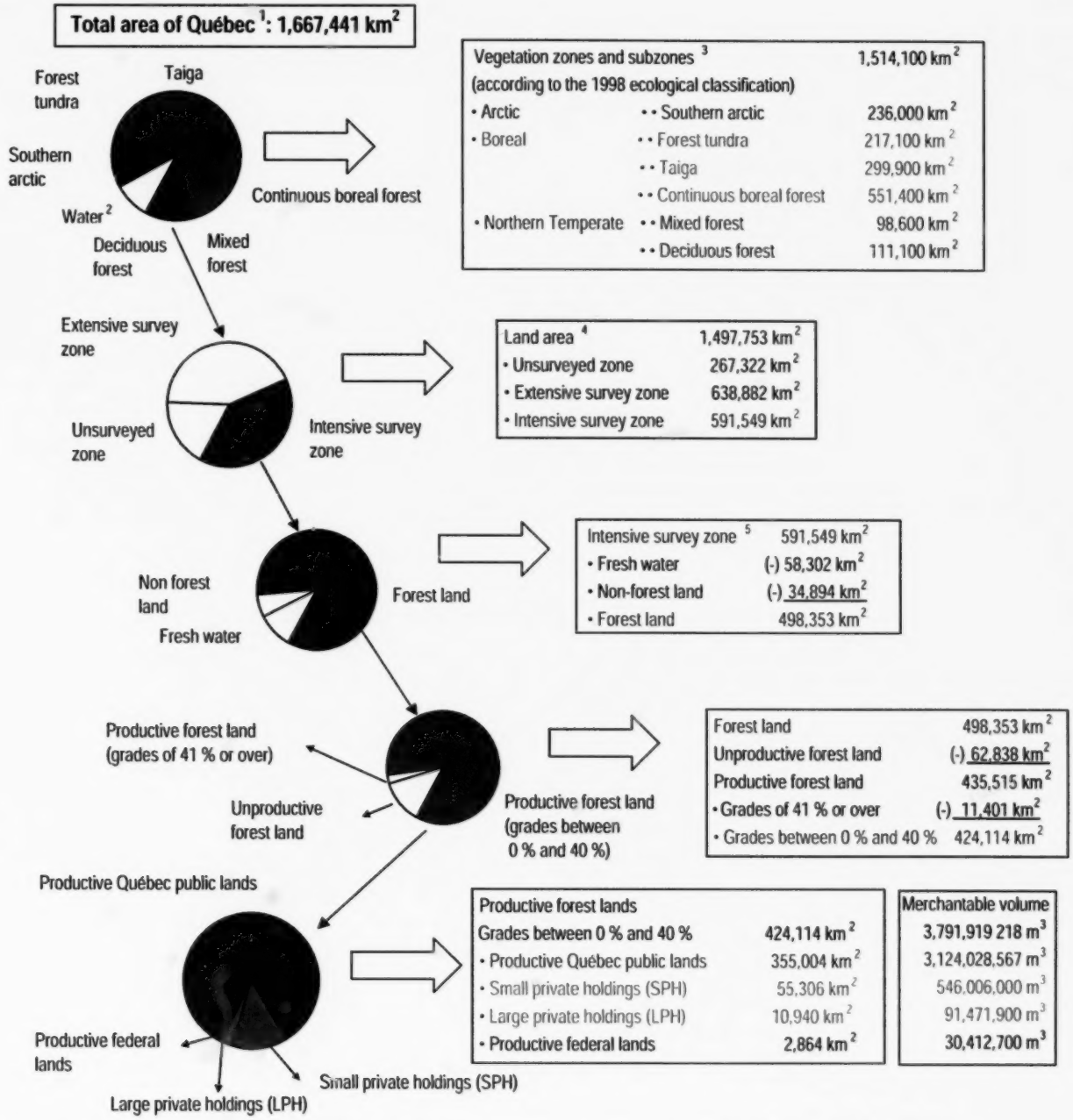
Selling price index

An index showing variations in the general rate of inflation or price variations in a given economic sector, compared with a reference year to which a value of 100 is assigned.

Gross domestic product (GDP)

The value of all final goods and services produced in a given period within the geographical boundaries of a country or territory.

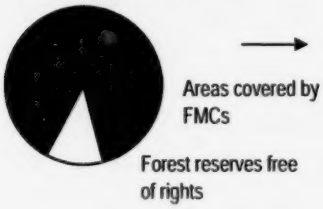
Summary


Total area of Québec [1]: 1,667,441 km²
Forest tundra
Taiga
Southern arctic
Water [2]
Deciduous forest
Mixed forest
Continuous boreal forest
Vegetation zones and subzones [3] 1,514,100 km²
(according to the 1998 ecological classification)
• Arctic
•• Southern arctic 236,000 km²
• Boreal
•• Forest tundra 217,100 km²
•• Taiga 299,900 km²
•• Continuous boreal forest 551,400 km²
• Northern Temperate
•• Mixed forest 98,600 km²
•• Deciduous forest 111,100 km²
Extensive survey zone
Unsurveyed zone
Intensive survey zone
Land area [4] 1,497,753 km²
• Unsurveyed zone 267,322 km²
• Extensive survey zone 638,882 km²
• Intensive survey zone 591,549 km²
Non forest land
Fresh water
Forest land
Intensive survey zone [5] 591,549 km²
• Fresh water (-) 58,302 km²
• Non-forest land (-) 34,894 km²
• Forest land 498,353 km²
Productive forest land (grades of 41 % or over)
Unproductive forest land
Productive forest land (grades between 0 % and 40 %)
Forest land 498,353 km²
Unproductive forest land (-) 62,838 km²
Productive forest land 435,515 km²
• Grades of 41 % or over (-) 11,401 km²
• Grades between 0 % and 40 % 424,114 km²
Productive Québec public lands
Productive federal lands
Small private holdings (SPH)
Large private holdings (LPH)
Productive forest lands
Grades between 0 % and 40 % 424,114 km²
• Productive Québec public lands 355,004 km²
• Small private holdings (SPH) 55,306 km²
• Large private holdings (LPH) 10,940 km²
• Productive federal lands 2,864 km²
Merchantable volume
3,791,919 218 m³
3,124,028,567 m³
546,006,000 m³
91,471,900 m³
30,412,700 m³

1. Area obtained from a compilation of Québec border data to a scale 1:20,000, calculated using the Modified Transverse Mercator (MTM) system and the NAD83 geodesic reference system. Excludes Labrador, in accordance with the 1927 (non-definitive) boundary.
2. Includes the waters of the St. Lawrence River downstream of the eastern point of Orleans Island, the Gulf of St. Lawrence up to the 1964 boundary with the Maritime provinces; also includes James Bay, Hudson Bay, Ungava Bay and Hudson Strait (153,313 km²).
3. The limits of the bioclimatic domains have been revised by the Comité sur la carte des régions écologiques. The committee also established the new ecological land classification system in 1998 (includes inland waters but excludes the waters of the St. Lawrence River downstream of the eastern point of Orleans Island). The figures have been rounded off, possibly creating minor errors in the totals.
4. Updated September 2004 : The original territorial data are drawn from the third ten-year forest survey (except the Magdalen Islands, for which data are drawn from the second forest survey). This area also includes inland waters but excludes the waters of the St. Lawrence River.
5. Lands whose forests can be developed over 120 years, in keeping with the principle of sustained yield.

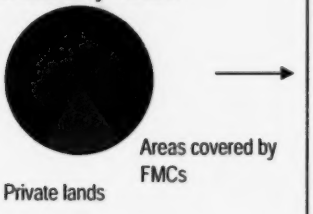
Summary (cont'd)

Distribution of productive Québec public lands



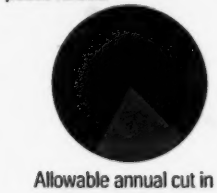
Productive Québec public lands (grades between 0 % and 40 %)	355,004 km²
• Areas covered by timber supply and forest management agreements (TSFMAs) and forest management agreements (FMAs) (March 31, 2007)	298,918 km²
• Areas covered by forest management contracts (FMCs) (March 31, 2007)	13,740 km²
• Forest reserves free of rights and areas where forest production is prohibited (RSFM [1], parks, etc.)	42,346 km²

Surface areas taken into account in calculating the allowable annual cut (March 31, 2007)



Québec public lands on which rights have been granted	
• TSFMAs and FMAs [2]	298,918 km²
• FMCs	13,740 km²
Productive private lands taken into account in calculating allowable annual cut (grades between 0 % and 40 %) SPH [2] : 55,306 km², LPH [2] : 10,940 km²	66,246 km²

Allowable annual cut (March 31, 2007)



	47,168,165 m³
Allowable annual cut - Québec public forests (common areas)	35,199,415 m³
• Fir, spruce, jack pine, larch	23,081,536 m³
• Other sofwoods	1,262,190 m³
• Poplars	3,494,647 m³
• Other hardwoods	7,361,042 m³
Allowable annual cut - private forests (large and small private holdings) [3]	11,968,750 m³
• Fir, spruce, jack pine, larch	4,639,650 m³
• Other sofwoods	917,300 m³
• Poplars	2,311,600 m³
• Other hardwoods	4,100,200 m³

Volumes allocated by TSFMAs and FMAs in public forests (March 31, 2007)

	35,854,822 m³
• Fir, spruce, jack pine, larch	28,045,753 m³
• Other sofwoods	720,069 m³
• Poplars	2,958,950 m³
• Other hardwoods	4,130,050 m³

1. RSFM : **Regulation respecting standards of forest management for forests in the domain of the State.**
2. SPH : Small private holdings.
   LPH : Large private holdings.
3. Current volumes not included.

Summary (cont'd)

Volumes allocated by FMCs in public forests (March 31, 2007) — 756,914 m^3

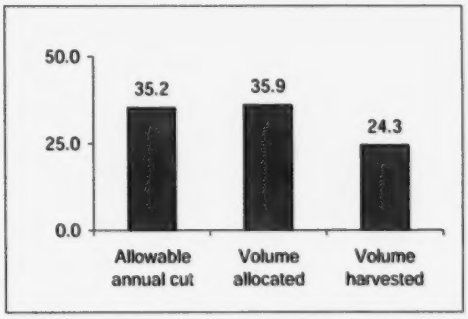
• Fir, spruce, jack pine, larch	447,445 m^3
• Other sofwoods	20,069 m^3
• Poplars	203,376 m^3
• Other hardwoods	86,024 m^3

Timber harvested - volume (2006-2007) — 33,012,586 m^3

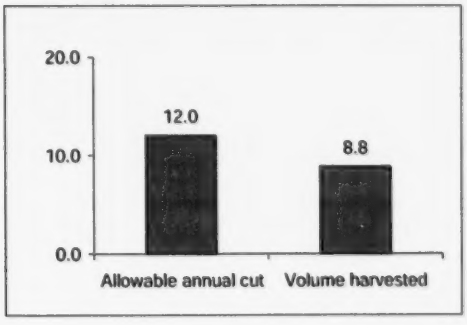
Public forests	24,254,186 m^3
• Fir, spruce, jack pine, larch	19,806,888 m^3
• Other softwood	427,050 m^3
• Poplars	1,942,848 m^3
• Other hardwoods	2,077,400 m^3
Private forests [1]	8,758,400 m^3
• Fir, spruce, jack pine, larch	3,767,000 m^3
• Other sofwood	340,100 m^3
• Poplars	1,663,000 m^3
• Other hardwood	2,988,300 m^3

1. Estimates.

Public forests (allowable annual cut, volume allocated, volume harvested) (2006-2007)



Private forests (allowable annual cut, volume harvested) (2006-2007)



Summary (cont'd)

Forest protection

		2005	2006	2007
Area affected (ha)		**823,401**	**174,746**	**453,426**
Spruce budworm		43,270	50,500	110,743
Forest fires	Intensive protection zone	366,671	13,724	278,033
	Limited forest protection	413,460	110,522	64,650

Silvicultural treatments planned and carried out

	2005-2006 et 2006-2007	2005-2006p	2006-2007p
	Planed (ha)	Carried out (ha)	Carried out (ha)
Public forests	**670,905**	**537,522p**	**465,968p**
Site preparation	59,021	54,992p	34,845p
Planting and seeding	49,192	58,455p (98 M seedlings)	48,798p (85 M seedlings)
Non-commercial treatments	167,137	112,484p	92,197p
Commercial treatments	395,555	311,591p	290,128p
Private forests	**67,430**	**49,035p**	**50,043p**
Site preparation	...	8,185p	7,568e
Planting and seeding	12,591	9,235p (20 M seedlings)	9,298e (20 M seedlings)
Non-commercial treatments	7,618	18,197p	18,850e
Commercial treatments	47,221	13,418p	14,327e

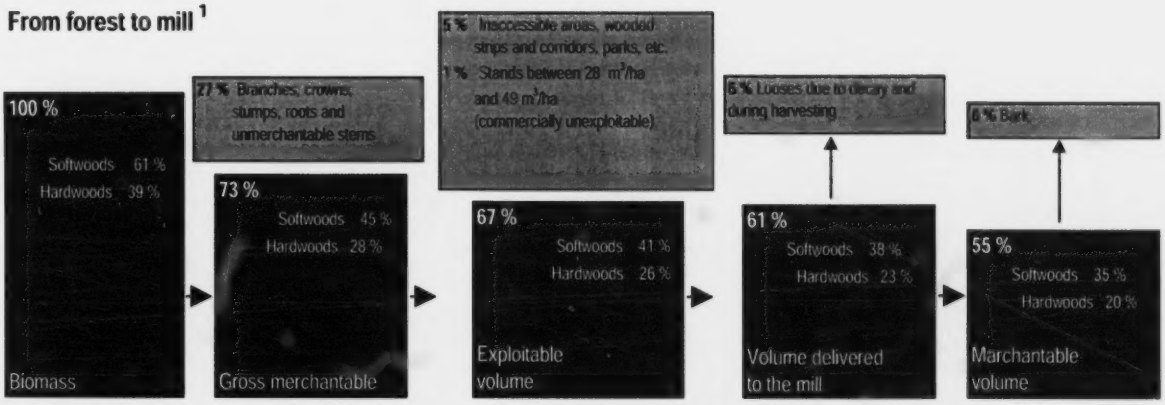
Network of permanent roads (2005-2006e)

Total length : 16,700 km (590 bridges)

Experimental, teaching and research forests (2007)

Total area : 62,605 ha

From forest to mill [1]



1 : Updated March 31, 2007.

Timber consumption by primary processing plants

		2005	2006
Total Consumption (m³)		**70,681,313**	**65,191,819**
Consumption by Species (m³)	Fir, spruce, jack pine, larch	54,275,558	49,866,575
	Other softwoods	2,232,173	1,784,805
	Poplars	5,146,240	5,041,157
	Other hardwoods	9,027,342	8,499,282
Consumption by Product (m³)	Roundwood	43,793,429	40,117,526
	Chips	18,218,689	17,048,161
	Sawdust, shavings and wood residues	7,969,195	8,026,132
Consumption by Source (m³)	Public forests	31,018,713	27,576,695
	Private forests	7,251,778	7,049,102
	Exchanges between mills	24,081,081	22,577,445
	Outside Québec	8,329,741	7,988,577

Summary (cont'd)

The forest sector in Québec's economy (2005)

	Total jobs (no.)	Total salaries and wages ($, 000s)	Value of shipments and other revenue ($, 000s)	Value added to total activity [1] ($, 000s)	Capital expenditures and repairs ($, 000s)
Forestry and logging (NAICS 113)	11,965	534,520	2,964,431	1,243,347	164,600
Wood product manufacturing (NAICS 321)	37,407	1,422,924	9,833,826	4,005,275	680,300
Paper manufacturing (NAICS 322)	26,927	155,341	10,880,782	4,365,009	729,400
Total (forest sector)	**76,299**	**2,112,785**	**23,679,039**	**9,613,631**	**1,574,300**

1. Including purchase of services.

Logging industry (2006)

Number of primary processing plants, including 379 sawmills	467
Number of pulp, paper and paperboard mills, 34 of which are included under primary processing plants	61

Wood processing industry establishments by group (2005)

Wood product manufacturing (NAICS 321)	735
Paper manufacturing (NAICS 322)	206
Total	**941**

Forest product production

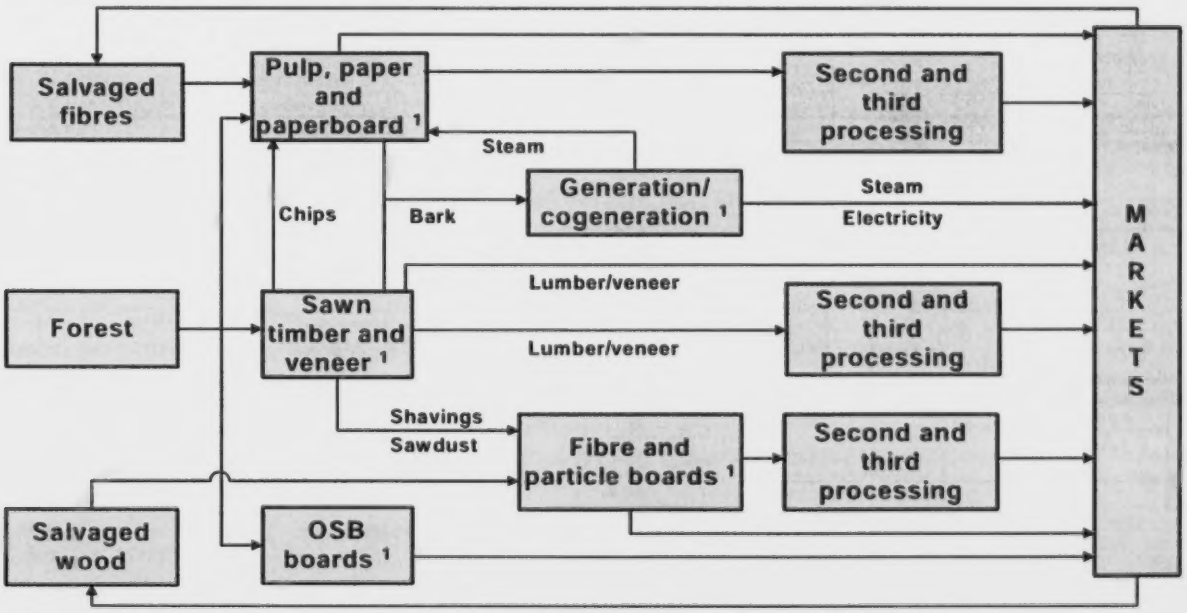
	2005	2006
Lumber (m^3, 000s)	18,607	17,236
Joint sawmill production (BDMT, 000s)	12,065	10,821
Chips	7,237	6,501
Sawdust and shavings	2,077	1,855
Bark	2,750	2,465
Pulp and paper production (BDMT, 000s)	9,679	9,832
Newsprint	3,421	3,281
Paperboard and paper other than newsprint	4,871	5,321
Market pulp	1,387	1,230

Québec's balance of trade [1] in the forest products sector ($, million) [2]

	2004	2005	2006
Wood, charcoal and wooden products	3,693	3,296	2,658
Pulp, paper and paperboard	6,066	6,227	6,318
Total	**9,758**	**9,522**	**8,977**

1. Balance of trade of commerical goods with international destinations.
2. Product designation according to the World Custom Organization's harmonized Commodity Description and Coding System.

Integration of the forest products industry



1. Primary processing.

Summary (cont'd)

The forest sector in Québec's economy (2005) (including furnitures and printing)

	Total jobs (no.)	Total salaries and wages ($, 000s)	Value of shipments and other revenue ($, 000s)	Value added to total activity [1] ($, 000s)	Capital expenditures and repairs ($, 000s)
Forestry and logging (NAICS 113)	11,965	534,520	2,964,431	1,243,347	164,600
Wood product manufacturing (NAICS 321)	37,407	1,422,924	9,833,826	4,005,275	680,300
Furniture and related product manufacturing (NAICS 337)	30,916	990,124	3,807,651	2,079,622	106,700
Paper manufacturing (NAICS 322)	26,927	1,555,341	10,880,782	4,365,009	729,400
Printing and related support activities (NAICS 323)	17,230	744,894	2,985,517	1,643,159	176,100
Total (forest sector)	**124,445**	**5,247,803**	**30,472,207**	**13,336,412**	**1,857,100**
Overall manufacturing activity in Québec	463,931	20,081,790	148,141,267	67,624,568	..

1. Including purchase of services.

Logging industry (2006)

Number of primary processing plants, including 379 sawmills	499
Number of pulp, paper and paperboard mills, 34 of which are included under primary processing plants	65

Wood processing industry establishments by group (2005) (including furnitures and printing)

Wood product manufacturing (NAICS 321)	735
Furniture and related product manufacturing (NAICS 337)	659
Paper manufacturing (NAICS 322)	206
Printing and related support activities (NAICS 323)	439

Forest product production (including furniture and printing)

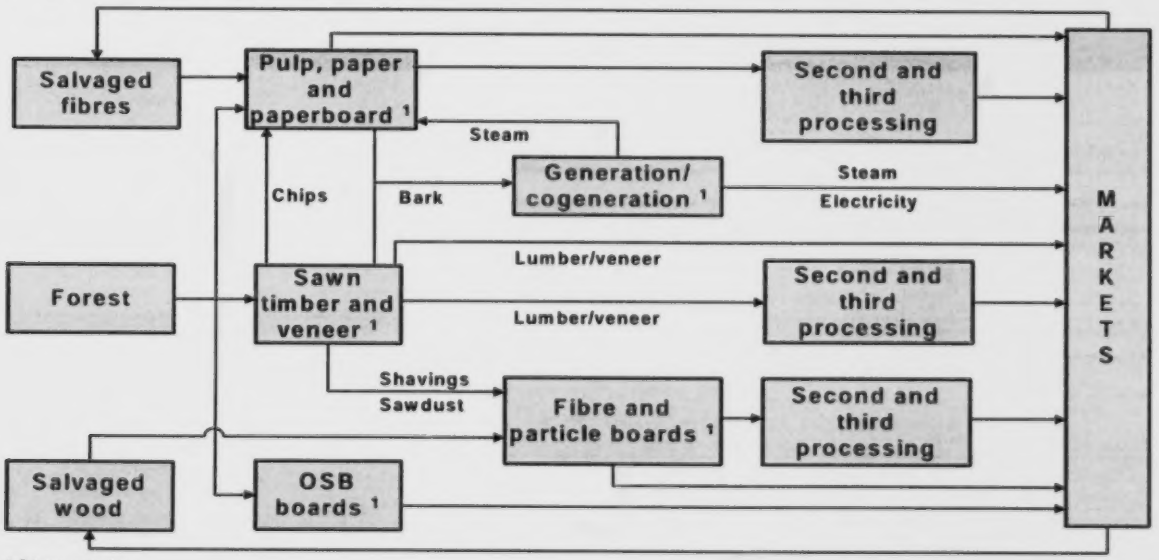
	2005	2006
Lumber (m^3, 000s)	18,607	17,236
Joint sawmill production (BDMT, 000s)	12,065	10,821
Chips	7,237	6,501
Sawdust and shavings	2,077	1,855
Bark	2,750	2,465
Pulp and paper production (BDMT, 000s)	9,679	9,832
Newsprint	3,421	3,281
Paperboard and paper other than newsprint	4,871	5,321
Market pulp	1,387	1,230
Furniture and related product production ($, 000s)	4,197	..
Printing and related support activities industry production ($, 000s)	3,454	..

Québec's balance of trade [1] in the forest products sector (including furniture and printing) ($, million) [2]

	2004	2005	2006
Wood product, furniture and related product manufacturing	5,120	4,455	3,538
Pulp and paper, paper and paperboard, converted paper product manufacturing and printing and related support activities mills	6,534	6,665	6,659
Total (forest products sector)	11,654	11,120	10,197

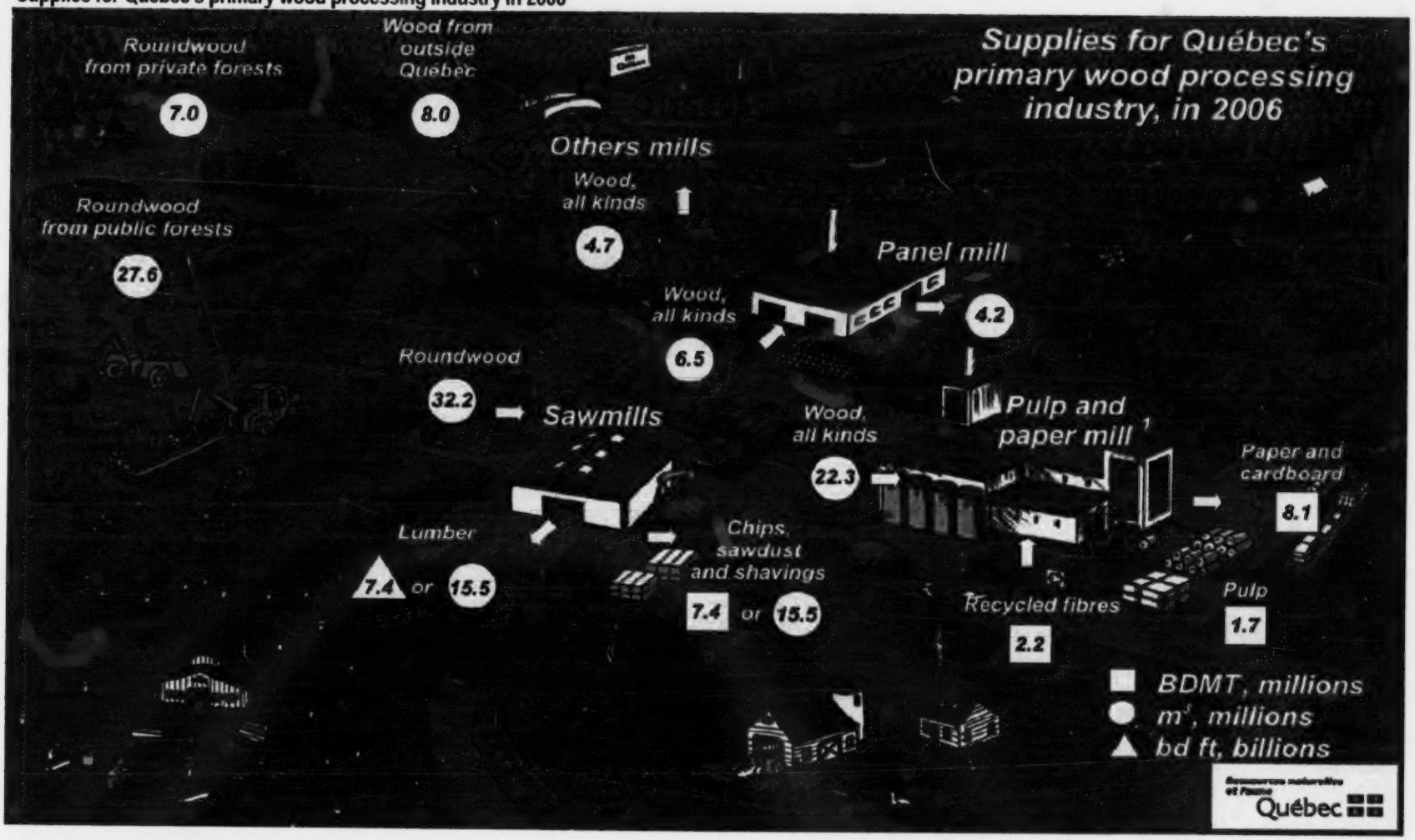
1. Balance of trade of commerical goods with international destinations.
2. According to the North American Industry Classification System (NAICS).

Integration of the forest products industry



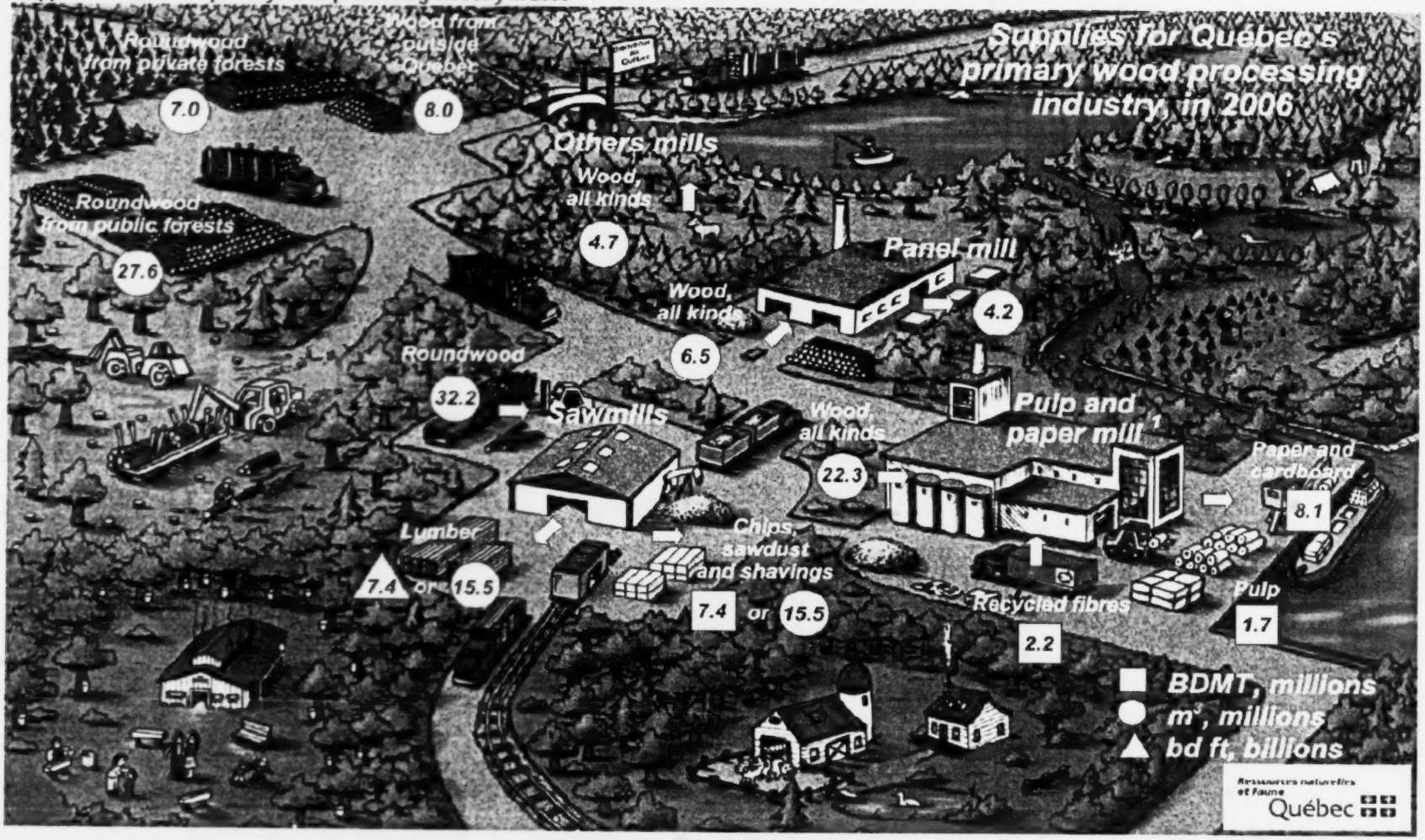
1. Primary processing.

Supplies for Québec's primary wood processing industry in 2006



1. Including data from the 2006 annual survey.

Supplies for Québec's primary wood processing industry in 2006



1. Including data from the 2006 annual survey

Supplies for Québec's primary wood processing industry in 2006

Supplies by source (m^3, million)	
Public forests	27.6
Private forests	7.0
Outside Québec	8.0
Total	**42.6**

Mills consumption (m^3, million)	
Panel	6.0
Sawmills	32.2
Pulp and paper	22.3
Other mills	4.7
Total	**65.2**

Recycled fibres consumption (BDMT, million) [1]	
Pulp and paper	2.2

Sawmills Production	
Chips, sawdust and shavings	8.4 (BDMT, million) 20.8 (m3, million)
Lumber	7.4 (bd ft, billion) 15.5 (m3, million)

Pulp and paper mill production (BDMT, million) [1]	
Paper and paperboard	8.1
Market pulp	1.7

Panel mills production (m^3, million)	
Panel	3.8

1. Including data from the 2006 annual survey.

QUÉBEC'S FOREST RESOURCES AND INDUSTRY
TABLE OF CONTENTS

Foreword

Note to readers and important notes

Symbols used in the Tables and Diagrams, symbols used and conversion factors

Glossary of main economic terms

Summary

Québec's primary wood processing industry supplies

1. **Geographical distribution of Québec's forests**
   Highlights
   Vegetation zones and subzones
   Public land use planning
   Administrative divisions in Québec's public forests
   Types of ownership and survey zones
   Private forests

2. **Intensive survey zone**
   Highlights
   Area of productive forests (grades between 0 % and 40 %) and available gross merchantable volume

3. **Forest protection**
   Highlights
   Insects and diseases
   Forest fires

4. **Sustainable development of Québec's forests**
   Highlights

5. **Forest management**
   Highlights
   Allowable annual cut
   Harvest
   Forest dues
   Seedling production
   Summary of silvicultural treatments carried out

6. **Forest use for educational, recreational purposes, research and experimental**
   Highlights

7. **Non-timber Use**
   Non-timber forest products (NTFPs)
   Highlights

8. **Logging**
   Highlights

9. **Timber use**
   Highlights
   Trade with markets outside Québec in 2005 and 2006

10. **Wood industries**
    Highlights
    Overview
    The sawmill industry

11. **The pulp and paper industry**
    Highlights
    Production capacity
    Production
    Environment

12. **The forest sector in Québec's economy**
    Highlights
    Economic and financial indicators

1 Geographical distribution of Québec's forests
Highlights

01.00.01

Total area of Québec	(km²)
Total area	1,667,441 r
Land area [1]	1,497,753
Vegetation zones (according to the 1998 ecological classification) [2] :	
• Arctic	236,000 r
• Boréal	1,068,400 r
• Northern temperate	209,700 r

1. Updated in September 2004 : The original territorial data are drawn from the third ten-year forest survey (except for the Magdalen Islands data, which are still drawn from the second survey) This area also includes inland waters but excludes the waters of the St. Lawrence River
2. The bioclimatic domain boundaries have been reviewed by the Comité sur la carte des régions écologiques, which also established the new ecological classification system in 1998 (including inland water but excluding the waters of the St. Lawrence River downstream of the eastern point of the Orleans island)

Types of ownership	(km²)
Public lands (Québec)	1,372,021
Private lands	116,398
Federal lands	9,334

Public land use planning		(km²)
Public lands [1]		1,373,490
• Forest production prohibited		65,552
• Forest production allowed		86,830
• Forest production has priority :		367,856
- Forest and leisure area	6,650	
- Forest production area	361,206	
• Other resource production [2]		853,252

1. The areas were established from data gathered in 1997, and differ slightly from the areas measured during forest surveys. In particular, they have no been adjusted to reflect the latest modifications, including those resulting from sales of land, for example. Harmonization should be completed shortly.
2. Area with mining sites, energy development sites, etc., north of the common area boundary.

Survey zones	(km²)
Intensive survey zone	591,549
Extensive survey zone	638,882
Unsurveyed zone	267,322

Administration of public forests, March 31, 2007	(no.)
Administrative régions	17
Common areas	114
Timber supply and forest management agreements (TSFMAs)	213
Forest management agreements (FMAs)	6
Forest management contracts (FMCs)	88

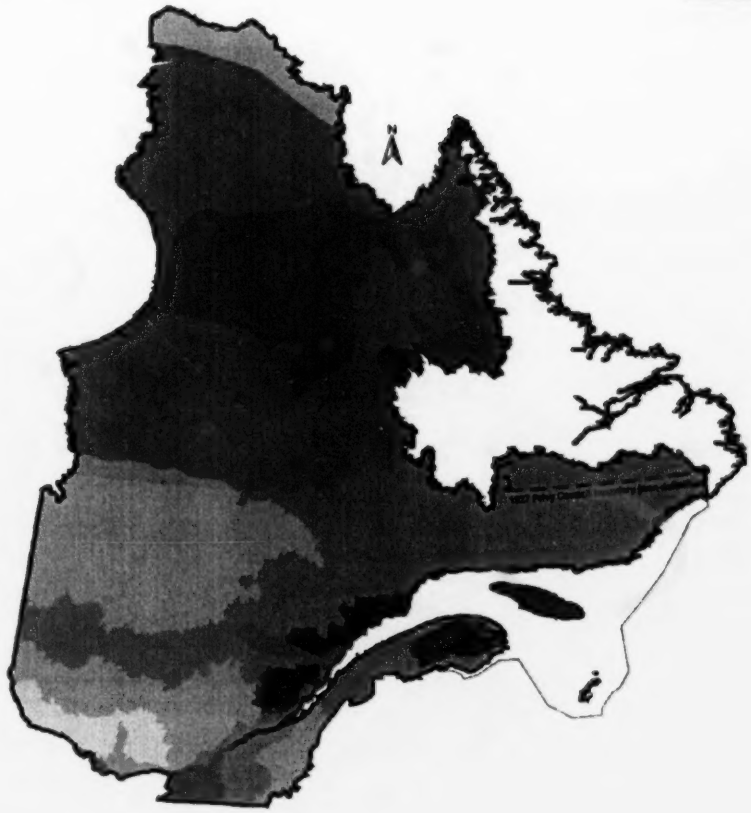
Management of private forests, March 31, 2006	
Development agencies (no.)	17
• Productive area (ha, 000s)	6,625
• Number of owners	129,850
• Number of owners in activity	74,015
Syndicates of wood marketing boards (no.)	15

Forest cooperatives, 2004-2005	
Forest cooperatives (no.)	43
Members (no.)	3,136
Workers (4 weeks or over)	4,233
Silvicultural work (ha, 000s)	79,551
Harvest (m^3, 000s)	5,448
Turnover ($, millions)	309

1 Geographical distribution of Québec's forest

Vegetation zones and subzones

01 01 01



Arctic zone

Southern arctic subzone
- Herbaceous arctic tundra domain
- Shrub arctic tundra domain

Boreal zone

Forest tundra subzone
- Forest tundra domain

Taiga subzone
- Spruce-lichen domain

Continuous boreal forest subzone
- Spruce-moss domain
- Balsam fir-white birch domain

Northern temperate zone

Mixed forest subzone
- Balsam fir-yellow birch domain

Hardwood forest subzone
- Sugar maple-yellow birch domain
- Sugar maple-basswood domain
- Sugar maple-bitternut hickory domain

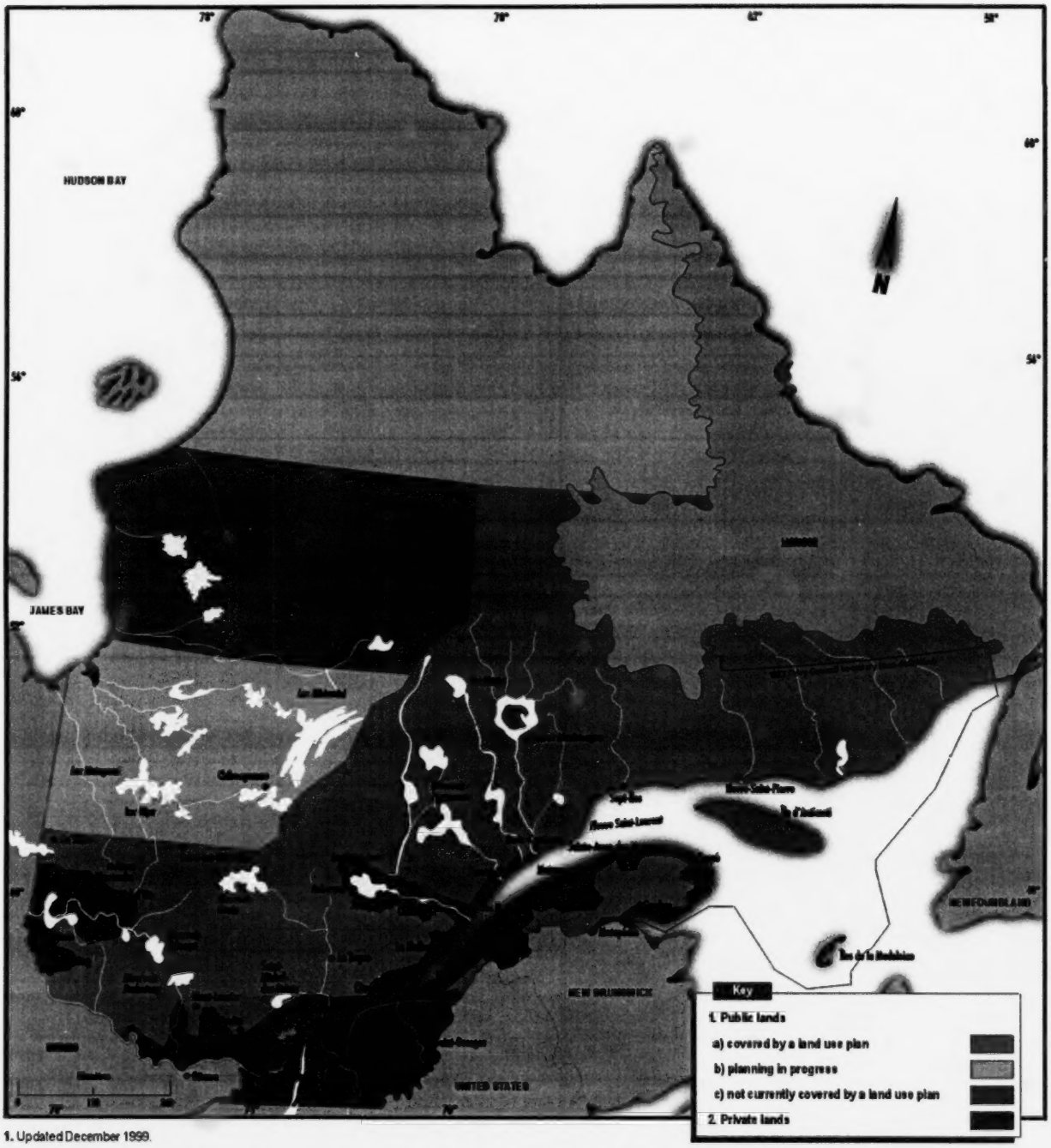
Source : Direction des inventaires forestiers, division écologie - productivité.

1 Geographical distribution of Québec's forests

Public land use planning

Areas subject to the land use planning process [1, 2]

01 03 01



1. Updated December 1999.

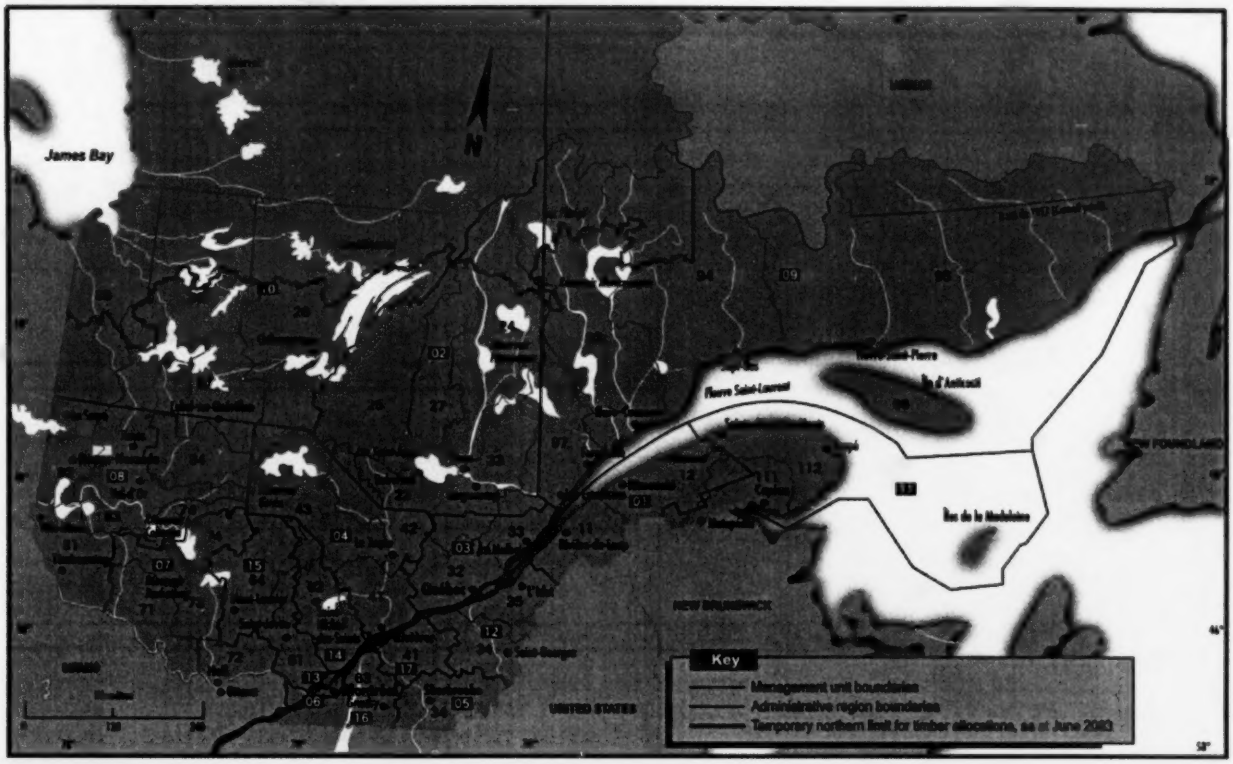
2. In 2005, the government began the development of a new public land use plan for the regions of Saguenay--Lac-St-Jean, Capitale-Nationale, Mauricie, Outaouais, Abitibi-Témiscamingue, Côte-Nord, Gaspésie--Îles-de-la-Madelaine and Laurentides.

Source : Direction générale de la gestion du territoire public.

1 Geographical distribution of Québec's forests

Administrative divisions in Québec's public forests [1]

01 05 02



Key

ADMINISTRATIVE REGIONS	MANAGEMENT UNITS
01 Bas-Saint-Laurent	11-12 p.[2]-111 p.-112 p.
02 Saguenay—Lac-Saint-Jean	22-23 p.-24 p.-25-27-33 p.-42 p.-93 p.-97 p.
03 Capitale-Nationale	23 p.-32-33 p.
04 Mauricie	26 p.-41 p.-42 p.-43 p.
05 Estrie	34 p.
06 Montréal	63 p.
07 Outaouais	71-72-73-74 p.
08 Abitibi-Témiscamingue	74 p.-81-82-83-84-85 p.-86 p.-87 p.
09 Côte-Nord	24 p.-93 p.-94-95-96-97 p.
10 Nord-du-Québec	26 p.-85 p.-86 p.-87 p.
11 Gaspésie—Îles-de-la-Madeleine	12 p.-111 p.-112 p.
12 Chaudière-Appalaches	34 p.-35
13 Laval	63 p.
14 Lanaudière	41 p.-43 p.-62 p.-64 p.
15 Laurentides	61-62 p.-64 p.
16 Montérégie	63 p.
17 Centre-du-Québec	41 p.

1 Updated January 2005
2 p. : part of.

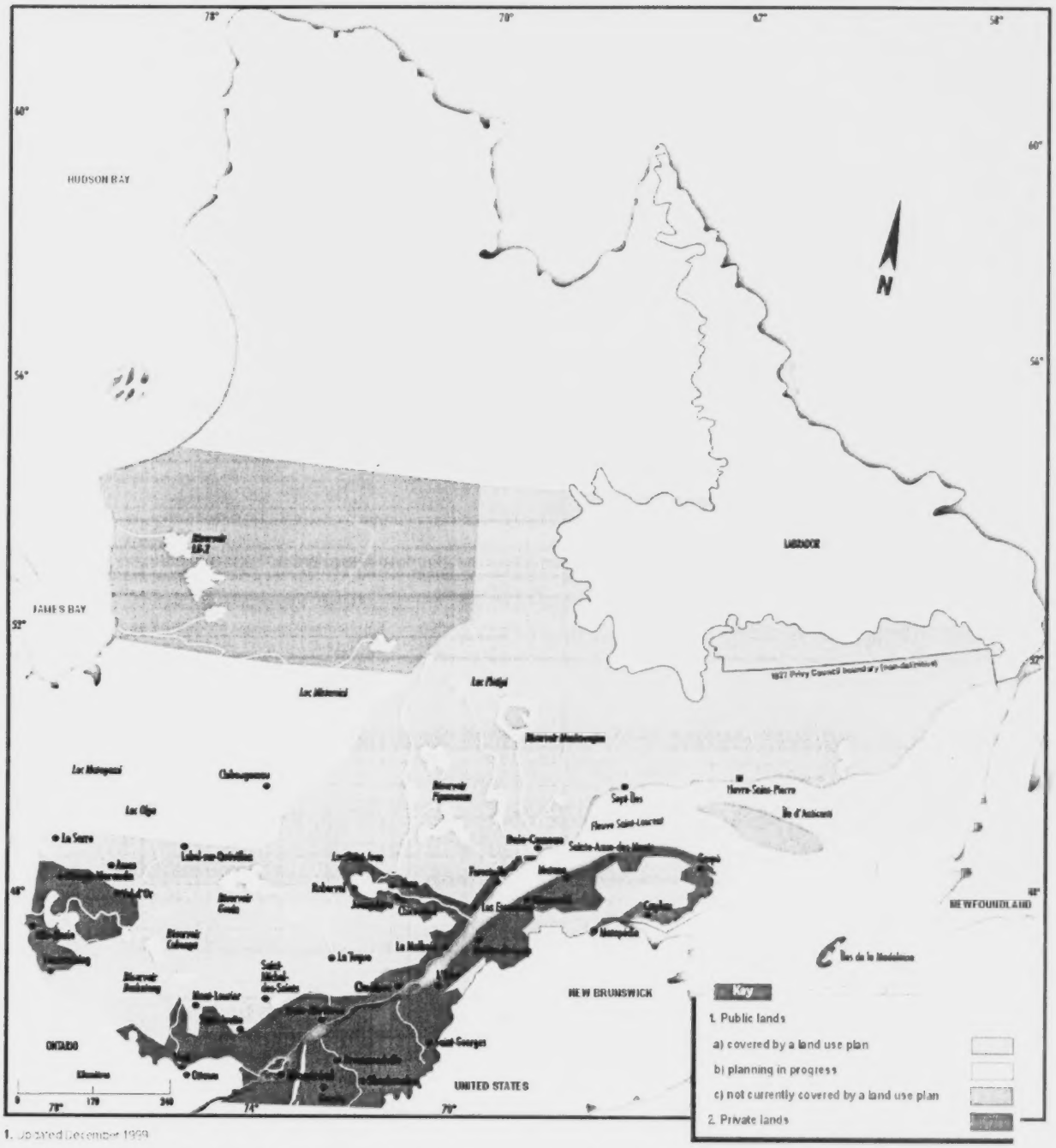
Note : This document provides figures for each of the Québec government's 17 administrative regions. However, for internal management purposes, the ministère des Ressources naturelles et de la Faune considers only 9 administrative regions, subdivided into 37 management units.

1 Geographical distribution of Québec's forests

Public land use planning

Areas subject to the land use planning process [1, 2]

01.03.01



1. Updated December 1999.

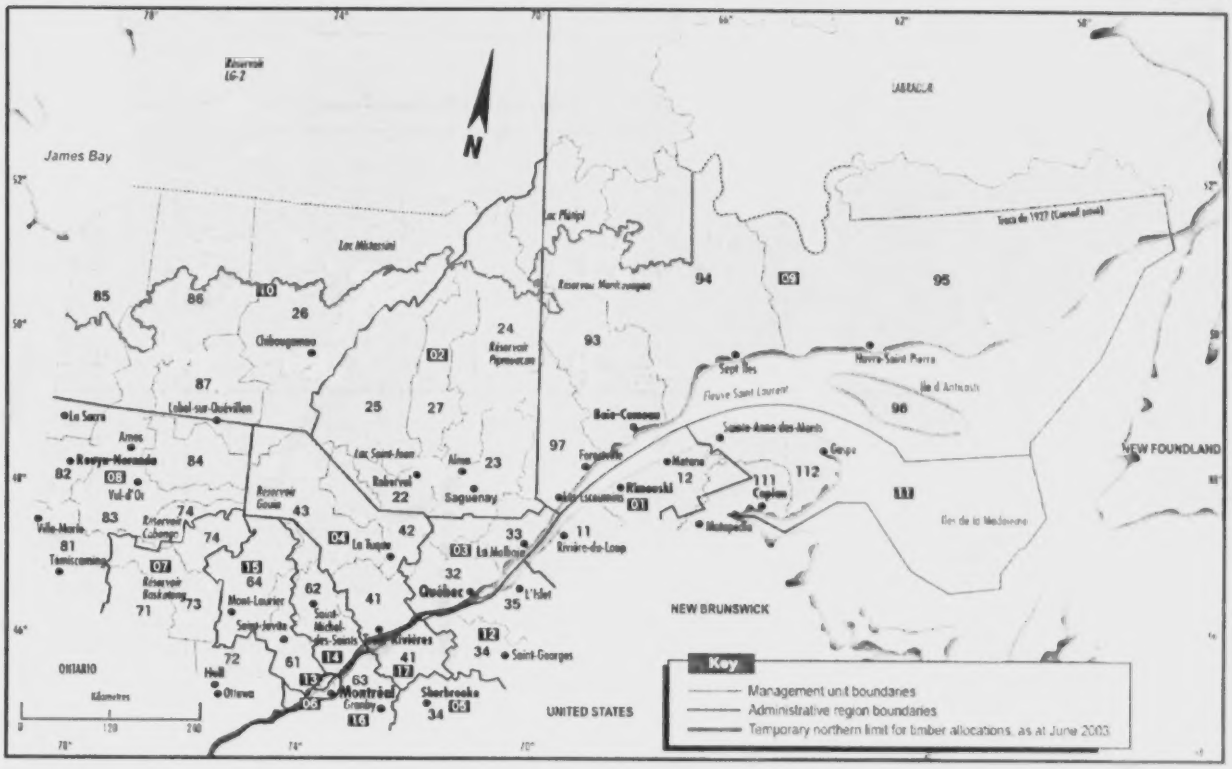
2. In 2005, the government began the development of a new public land use plan for the regions of Saguenay–Lac-St-Jean, Capitale-Nationale, Mauricie, Outaouais, Abitibi-Temiscamingue, Cote-Nord, Gaspesie–Iles-de-la-Madelaine and Laurentides.

Source : Direction generale de la gestion du territoire public

1 Geographical distribution of Québec's forests

Administrative divisions in Québec's public forests [1]

01.05.02



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1 Geographical distribution of Québec's forest

Types of ownership and survey zones

Breakdown of Québec [1] by survey zone and type of ownership [2]

01.06.02

	Administrative regions																Total
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	
	(km²)																	
UNSURVEYED ZONE																		
Québec public lands										260,771								260,771
Private lands (Inuit)										6,551								6,551
Federal lands																		
Total area										**267,322**								**267,322**
EXTENSIVE SURVEY ZONE [3]																		
Québec public lands		9,094							153,908	472,171								635,173
Forests in the domain of the State [4]		9,094							153,908	472,171								635,173
Other tenures [5]																		
Private lands									30	2,116								2,146
Large holdings [6]										2,116								2,116
Small holdings									30									30
Federal lands									38	1,525								1,563
Total area		**9,094**							**153,976**	**475,812**								**638,882**
INTENSIVE SURVEY ZONE [3]																		
Québec public lands	11,574	90,658	12,472	31,388	756	93	25,669	57,393	113,286	89,976	16,190	1,603		9,109	15,228	588	95	476,077
Forests in the domain of the State	11,259	89,883	11,141	31,313	544	93	25,358	55,075	111,515	89,822	15,384	1,474		8,276	14,398	555	81	466,171
Other tenures	315	775	1,331	75	212		311	2,318	1,771	153	806	129		833	830	33	14	9,906
Private lands	11,105	6,619	6,716	7,701	9,695	514	7,904	7,188	1,928	1,089	3,995	13,649	267	4,384	6,818	11,154	6,974	107,701
Large holdings	1,126	882	2,323	3,726	1,310		489	142	953	862	125	685		2	33	33	60	12,752
Small holdings	9,979	5,737	4,393	3,975	8,385	514	7,415	7,046	976	226	3,870	12,964	267	4,382	6,786	11,121	6,914	94,948
Federal lands	2	26	610	818	5	15	545	26	3,099	1,258	289	226		8	478	103	263	7,771
Total area	**22,681**	**97,303**	**19,798**	**39,908**	**10,456**	**622**	**34,118**	**64,607**	**118,314**	**92,322**	**20,474**	**15,478**	**267**	**13,501**	**22,525**	**11,845**	**7,332**	**591,549**
Total (land)	**22,681**	**106,397**	**19,798**	**39,908**	**10,456**	**622**	**34,118**	**64,607**	**272,290**	**835,456**	**20,474**	**15,478**	**267**	**13,501**	**22,525**	**11,845**	**7,332**	**1,497,753**

1. Not including areas covered by the waters of the St. Lawrence River and Gulf, James Bay, Hudson Bay, Ungava Bay and the Hudson Strait
2. Updated September 2004.
3. The summary of surveyed forests in Chapter 2 covers the intensive survey zone only, since forest ecosystems in the extensive survey zone are so fragile that timber harvesting is prohibited.
4. Land supporting forest stands.
5. Forest stations, experimental and research forests, etc.
6. More than 800 hectares in a single block.

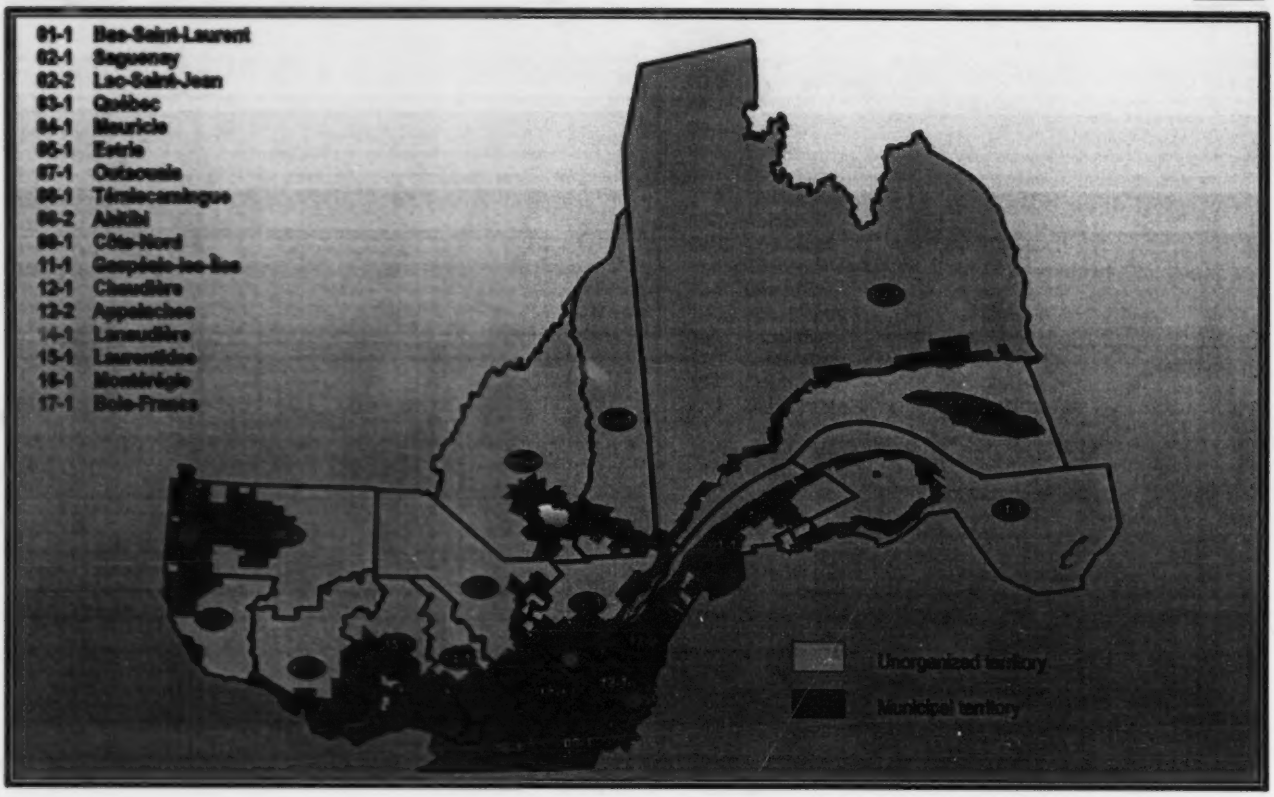
N.B. : Figures have been rounded off, which may have caused negligible errors in the totals.

1 Geographical distribution of Québec's forests

Private forests

Regional agencies for private forest development [1]

01.07.01



1. Updated April 2002.

Regional agencies

No.	Administrative regions	Name of agency	Number of owners [1]	Active owners (%) [2]
01-1	Bas-Saint-Laurent	Agence régionale de mise en valeur des forêts privées du Bas-Saint-Laurent	10,600	61
02-1	Saguenay	Agence régionale de mise en valeur des forêts privées du Saguenay	2,400	40
02-2	Lac-Saint-Jean	Agence régionale de mise en valeur des forêts privées du Lac-Saint-Jean	3,600	40
03-1	Québec	Agence des forêts privées de Québec 03 (AFPQ)	6,500	85
04-1	Mauricie	Agence régionale de mise en valeur des forêts privées mauriciennes	6,600	52
05-1	Estrie	Agence régionale de mise en valeur des forêts privées de l'Estrie (AMFE)	9,200	65
07-1	Outaouais	Agence régionale de mise en valeur des forêts privées outaouaises	10,900	61
08-1	Témiscamingue	Agence régionale de mise en valeur des forêts privées du Témiscamingue (ARMVFPT)	1,900	20
08-2	Abitibi	Agence régionale de mise en valeur des forêts privées de l'Abitibi	6,300	25
09-1	Côte-Nord	Agence régionale de mise en valeur des forêts privées de la Côte-Nord	850	62
11-1	Gaspésie-les-Îles	Agence régionale de mise en valeur des forêts privées de la Gaspésie-les-Îles (AFOGIM)	5,000	40
12-1	Chaudière	Agence régionale de mise en valeur des forêts privées de la Chaudière	11,500	81
12-2	Appalaches	Agence régionale de mise en valeur des forêts privées des Appalaches	12,800	79
14-1	Lanaudière	Agence régionale de mise en valeur des forêts privées de Lanaudière	8,300	54
15-1	Laurentides	Agence régionale de mise en valeur des forêts privées des Laurentides	13,400	12
16-1	Montérégie	Agence forestière de la Montérégie	10,500	66
17-1	Bois-Francs	Agence forestière des Bois-Francs (AFBF)	9,500	72
Total			**129,850**	**57**

1. Number of woodlot owners (4 ha and over) per development agency.
2. Percentage of active owners over a five-year period.

Source : Private Forest Protection and Development Plan (April 2002).

1 Geographical distribution of Québec's forest

Types of ownership and survey zones

Breakdown of Québec [1] by survey zone and type of ownership [2]

01.06.02

	Administrative regions																Total
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Private lands	11,105	6,619	6,716	7,701	9,695	514	7,904	7,188	1,928	1,089	3,995	13,649	267	4,384	6,818	11,154	6,974	107,701
Large holdings	1,126	882	2,323	3,726	1,310		489	142	953	862	125	685		2	33	33	60	12,752
Small holdings	9,979	5,737	4,393	3,975	8,385	514	7,415	7,046	976	226	3,870	12,964	267	4,382	6,786	11,121	6,914	94,948
Federal lands	2	26	610	818	5	15	545	26	3,099	1,258	289	226		8	478	103	263	7,771
Total area	**22,681**	**97,303**	**19,798**	**39,908**	**10,456**	**622**	**34,118**	**64,607**	**118,314**	**92,322**	**20,474**	**15,478**	**267**	**13,501**	**22,525**	**11,845**	**7,332**	**591,549**
Total (land)	**22,681**	**106,397**	**19,798**	**39,908**	**10,456**	**622**	**34,118**	**64,607**	**272,290**	**835,456**	**20,474**	**15,478**	**267**	**13,501**	**22,525**	**11,845**	**7,332**	**1,497,753**

1. Not including areas covered by the waters of the St. Lawrence River and Gulf, James Bay, Hudson Bay, Ungava Bay and the Hudson Strait.
2. Updated September 2004.
3. The summary of surveyed forests in Chapter 2 covers the intensive survey zone only, since forest ecosystems in the extensive survey zone are so fragile that timber harvesting is prohibited.
4. Land supporting forest stands.
5. Forest stations, experimental and research forests, etc.
6. More than 800 hectares in a single block.

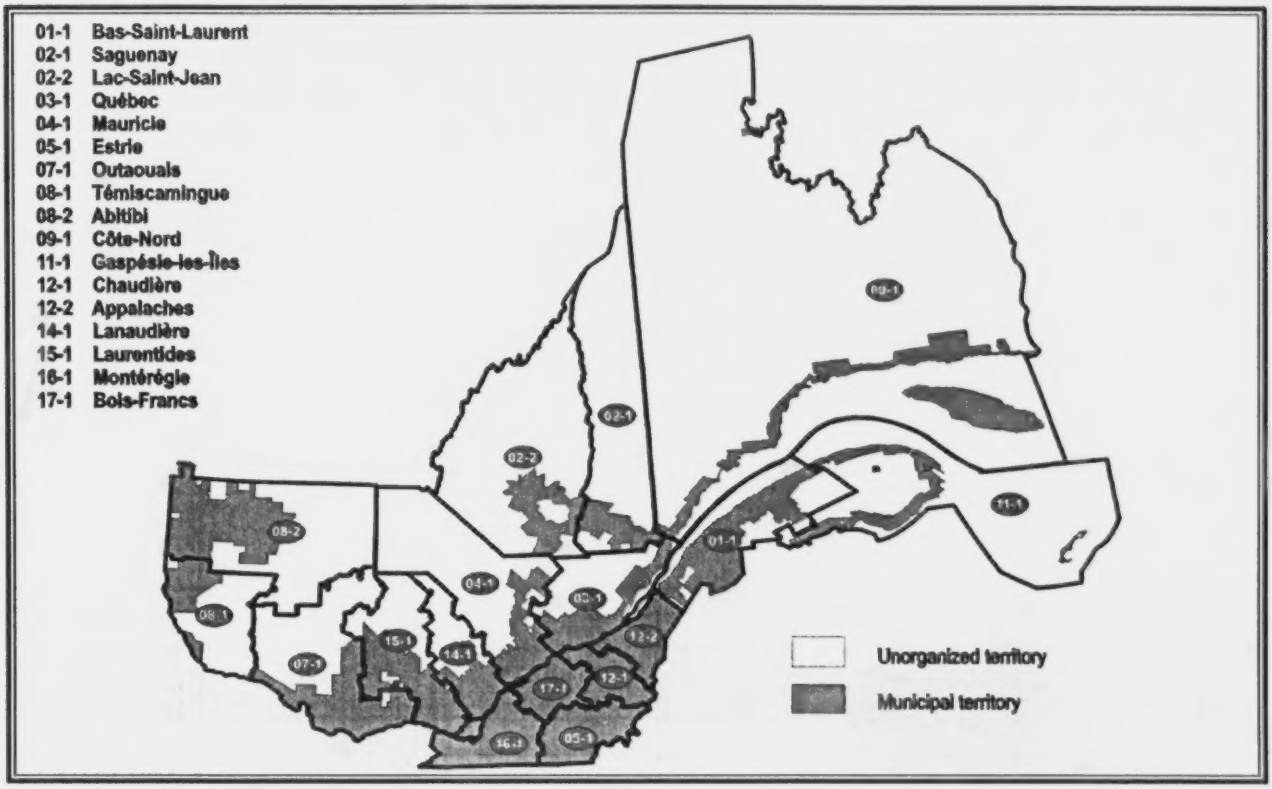
N.B. : Figures have been rounded off, which may have caused negligible errors in the totals.

1 Geographical distribution of Québec's forests

Private forests

Regional agencies for private forest development [1]

01.07.01



1. Updated April 2002.

Regional agencies

No.	Administrative regions	Name of agency	Number of owners [1]	Active owners (%) [2]
01-1	Bas-Saint-Laurent	Agence régionale de mise en valeur des forêts privées du Bas-Saint-Laurent	10 600	61
02-1	Saguenay	Agence régionale de mise en valeur des forêts privées du Saguenay	2 400	40
02-2	Lac-Saint-Jean	Agence régionale de mise en valeur des forêts privées du Lac-Saint-Jean	3 600	40
03-1	Québec	Agence des forêts privées de Québec 03 (AFPQ)	6 500	85
04-1	Mauricie	Agence régionale de mise en valeur des forêts privées mauriciennes	6 600	52
05-1	Estrie	Agence régionale de mise en valeur des forêts privées de l'Estrie (AMFE)	9 200	65
07-1	Outaouais	Agence régionale de mise en valeur des forêts privées outaouaises	10 900	61
08-1	Témiscamingue	Agence régionale de mise en valeur des forêts privées du Témiscamingue (ARMVFPT)	1 900	20
08-2	Abitibi	Agence régionale de mise en valeur des forêts privées de l'Abitibi	6 300	25
09-1	Côte-Nord	Agence régionale de mise en valeur des forêts privées de la Côte-Nord	850	62
11-1	Gaspésie-les-Îles	Agence régionale de mise en valeur des forêts privées de la Gaspésie-les-Îles (AFEGIM)	5 000	40
12-1	Chaudière	Agence régionale de mise en valeur des forêts privées de la Chaudière	11 500	81
12-2	Appalaches	Agence régionale de mise en valeur des forêts privées des Appalaches	12 800	79
14-1	Lanaudière	Agence régionale de mise en valeur des forêts privées de Lanaudière	8 300	54
15-1	Laurentides	Agence régionale de mise en valeur des forêts privées des Laurentides	13 400	12
16-1	Montérégie	Agence forestière de la Montérégie	10 500	66
17-1	Bois-Francs	Agence forestière des Bois-Francs (AFBF)	9 500	72
Total			129 850	57

1. Number of woodlot owners (4 ha and over) per development agency.
2. Percentage of active owners over a five-year period.

Source : Private Forest Protection and Development Plan (April 2002).

1 Geographical distribution of Québec's forests
Private forests (cont'd)
Areas covered by syndicates and wood marketing boards [1]

01.07.04

1. Updated April 2001

Syndicates or boards

01 - Syndicat des producteurs de bois de la Gaspésie
02 - Syndicat des producteurs de bois du Bas-Saint-Laurent
03 - Syndicat des producteurs de bois du Saguenay—Lac-Saint-Jean
04 - Syndicat des producteurs de bois de la Côte-du-Sud
05 - Syndicat des producteurs de bois de la région de Québec
06 - Syndicat des producteurs de bois de la Beauce
07 - Syndicat des producteurs de bois de la Mauricie
08 - Syndicat des producteurs de bois du Centre-du-Québec
09 - Syndicat des producteurs de bois de l'Estrie
10 - Syndicat des producteurs de bois de la région de Montréal
11 - Office des producteurs de bois du Pontiac
12 - Syndicat des producteurs de bois Outaouais-Laurentides
13 - Syndicat des producteurs de bois du comté de Labelle
14 - Office des producteurs de bois de la Gatineau
15 - Syndicat des producteurs de bois d'Abitibi-Témiscamingue

2 Intensive survey zone

Highlights

02.00.01

Land survey	Area (km^2)	Gross merchantable Volume (m^3, 000s)
Intensive survey zone [1]	591,549	
Bodies of water	-58,302	
Non-forest land	-34,894	
Forest land	498,353	
Unproductive forest land	-62,838	
Productive forest land (grades of 41 % and over)	-11,401	
Productive forest land (grades between 0 % and 40 %)	424,114	3,791,919
• Québec public lands	355,004	3,124,029
• Small private holdings	55,306	546,006
• Large private holdings	10,940	91,472
• Federal lands	2,864	30,413

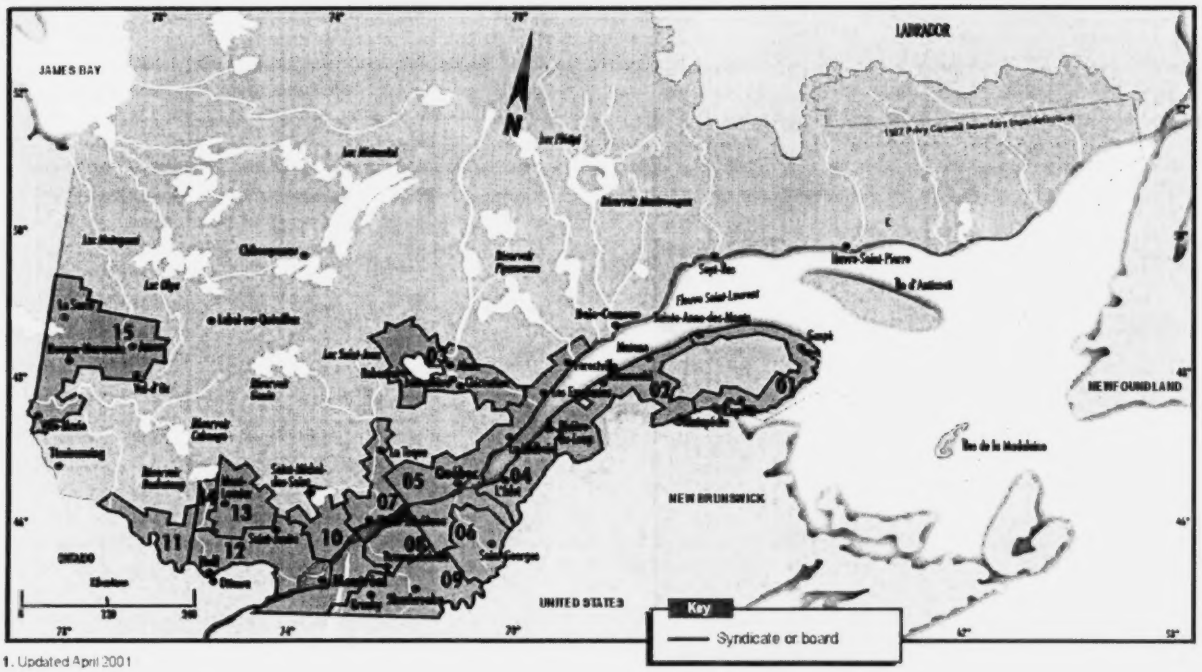
1. Area in which the ministère des Ressources naturelles et de la Faune conducts detailed forest surveys

1 Geographical distribution of Québec's forests

Private forests (cont'd)

Areas covered by syndicates and wood marketing boards [1]

01.07.04



1. Updated April 2001

Syndicates or boards

01 - Syndicat des producteurs de bois de la Gaspésie
02 - Syndicat des producteurs de bois du Bas-Saint-Laurent
03 - Syndicat des producteurs de bois du Saguenay—Lac-Saint-Jean
04 - Syndicat des producteurs de bois de la Côte-du-Sud
05 - Syndicat des producteurs de bois de la région de Québec
06 - Syndicat des producteurs de bois de la Beauce
07 - Syndicat des producteurs de bois de la Mauricie
08 - Syndicat des producteurs de bois du Centre-du-Québec
09 - Syndicat des producteurs de bois de l'Estrie
10 - Syndicat des producteurs de bois de la région de Montréal
11 - Office des producteurs de bois du Pontiac
12 - Syndicat des producteurs de bois Outaouais-Laurentides
13 - Syndicat des producteurs de bois du comté de Labelle
14 - Office des producteurs de bois de la Gatineau
15 - Syndicat des producteurs de bois d'Abitibi-Témiscamingue

2 Intensive survey zone

Highlights

02.00.01

Land survey	Area (km^2)	Gross merchantable Volume (m^3, 000s)
Intensive survey zone [1]	591,549	
Bodies of water	-58,302	
Non-forest land	-34,894	
Forest land	498,353	
Unproductive forest land	-62,838	
Productive forest land (grades of 41 % and over)	-11,401	
Productive forest land (grades between 0 % and 40 %)	424,114	3,791,919
• Québec public lands	355,004	3,124,029
• Small private holdings	55,306	546,006
• Large private holdings	10,940	91,472
• Federal lands	2,864	30,413

1. Area in which the ministere des Ressources naturelles et de la Faune conducts detailed forest surveys

2 Intensive survey zone

Area of productive forests (grades between 0 % and 40 %) [1] and available gross merchantable volume

By age, forest type and administrative region

02 03 01

		Administrative regions								Subtotal[2]	
		01		02		03		04			
		(km²)	(m³, 000s)	(km²)	(m³, 000s)	(km²)	(m³, 000s)	(km²)	(m³, 000s)	(km²)	(m³, 000s)
Total area[2]		**18,357**	**163,407**	**74,990**	**560,943**	**15,657**	**121,645**	**31,343**	**331,490**	**140,347**	**1,177,485**
By age	0-10 years	4,826	2,092	16,943	2,010	2,667	1,218	5,684	321	30,120	5,641
	30 years	1,788	12,900	8,046	28,970	3,104	12,820	2,862	17,288	15,800	71,979
	50 years	6,770	81,711	10,495	98,380	5,093	51,862	7,863	88,950	30,221	320,903
	70 years	3,299	44,337	12,121	137,733	2,216	24,258	7,876	127,346	25,512	333,673
	90 years	1,422	19,231	9,207	100,506	2,328	29,744	5,478	78,484	18,436	227,966
	120 years	252	3,135	18,178	193,344	249	1,743	1,580	19,102	20,259	217,323
By forest type	Softwood	6,716	63,077	45,144	395,525	5,535	38,191	10,243	109,217	67,638	606,009
	Mixedwood	6,249	58,749	15,138	112,684	5,883	48,558	12,931	147,688	40,201	367,679
	Hardwood	3,975	41,581	5,601	52,735	3,243	34,897	6,092	74,585	18,912	203,798
	Regenerating	1,418		9,107		996		2,077		13,597	
Québec public lands[2]		**10,593**	**98,401**	**70,870**	**535,412**	**10,670**	**76,530**	**25,531**	**279,466**	**117,664**	**989,809**
By age	0-10 years	2,773	70	15,678	579	1,787	38	4,351	74	24,590	762
	30 years	847	5,461	6,990	22,654	2,212	8,006	2,205	12,376	12,254	48,498
	50 years	2,949	38,821	8,992	83,516	3,044	28,950	5,632	63,713	20,617	215,001
	70 years	2,568	35,294	11,881	135,362	1,698	18,059	7,369	120,440	23,547	309,155
	90 years	1,207	16,054	9,161	100,053	1,682	19,768	4,631	66,563	16,681	202,438
	120 years	219	2,700	18,167	193,247	246	1,709	1,343	16,299	19,975	213,955
By forest type	Softwood	4,748	46,952	44,226	390,017	4,672	31,634	8,598	96,456	62,245	565,059
	Mixedwood	3,263	31,650	13,529	101,053	3,660	28,261	10,848	126,973	31,300	287,937
	Hardwood	1,768	19,799	4,532	44,342	1,656	16,635	4,451	56,037	12,407	136,812
	Regenerating	814		8,583		682		1,634		11,713	
Small private holdings[2]		**6,707**	**56,117**	**3,335**	**21,292**	**2,772**	**25,729**	**2,274**	**24,516**	**15,088**	**127,655**
By age	0-10 years	1,775	2,022	985	1,375	546	1,136	430	206	3,736	4,739
	30 years	747	6,093	841	5,312	477	2,969	362	3,305	2,426	17,679
	50 years	3,559	39,838	1,335	13,088	1,343	15,445	994	13,215	7,230	81,587
	70 years	484	6,031	169	1,493	131	1,600	214	3,158	999	12,282
	90 years	139	2,065	6	23	275	4,579	273	4,620	693	11,287
	120 years	3	69					1	12	4	81
By forest type	Softwood	1,385	9,450	591	3,558	436	2,988	314	2,449	2,726	18,445
	Mixedwood	2,742	25,565	1,389	10,359	1,194	11,163	879	9,511	6,204	56,599
	Hardwood	2,069	21,103	968	7,375	981	11,578	979	12,556	4,997	52,612
	Regenerating	510		387		161		102		1,161	
Large private holdings[2]		**1,056**	**8,868**	**774**	**4,136**	**2,022**	**17,287**	**3,033**	**20,324**	**6,885**	**50,615**
By age	0-10 years	278		278	55	308	43	891	38	1,754	136
	30 years	194	1,346	213	975	404	1,795	292	1,583	1,102	5,699
	50 years	262	3,046	163	1,725	633	6,557	1,195	11,525	2,253	22,852
	70 years	215	2,998	69	855	345	4,112	179	2,130	808	10,095
	90 years	76	1,112	40	430	330	4,746	337	3,837	783	10,125
	120 years	30	366	11	97	2	34	141	1,210	184	1,706
By forest type	Softwood	583	6,673	327	1,947	401	3,376	1,269	9,548	2,580	21,544
	Mixedwood	243	1,529	216	1,235	956	8,208	914	6,779	2,329	17,751
	Hardwood	137	665	95	955	528	5,703	516	3,997	1,276	11,320
	Regenerating	93		135		137		335		700	
Federal lands[2]		**2**	**21**	**10**	**103**	**192**	**2,099**	**505**	**7,184**	**709**	**9,407**
By age	0-10 years	0		2	1	26		13	2	40	3
	30 years	0		3	29	11	51	3	23	17	102
	50 years	0	7	4	51	73	910	42	496	121	1,463
	70 years	1	14	2	22	41	487	114	1,617	157	2,141
	90 years		0			41	652	237	3,464	278	4,116
	120 years					0	0	95	1,581	96	1,581
By forest type	Softwood	0	1	0	3	25	193	62	763	87	961
	Mixedwood	1	6	3	36	73	925	291	4,425	368	5,392
	Hardwood	1	14	6	63	79	981	146	1,996	231	3,054
	Regenerating	0		1		16		6		23	

1. Updated September 2004.
2. The figures have been rounded off, which may have caused negligible errors.

2 Intensive survey zone

Area of productive forests (grades between 0 % and 40 %) [1] and available gross merchantable volume (cont'd)

02 03 01

By age, forest type and administrative region (cont'd)

		Administrative regions								Subtotal[2]	
		05		06		07		08			
		(km²)	(m³, 000s)	(km²)	(m³, 000s)	(km²)	(m³, 000s)	(km²)	(m³, 000s)	(km²)	(m³, 000s)
Total area[2]		**7,668**	**87,691**	**41**	**319**	**27,239**	**365,699**	**48,594**	**447,449**	**83,543**	**901,157**
By age	0-10 years	1,620	212	20	3	2,570	6,426	8,490	2,128	12,700	8,769
	30 years	1,328	12,604	7	61	1,630	13,782	5,792	26,012	8,757	52,459
	50 years	3,603	55,106	11	190	7,953	119,826	9,665	98,437	21,232	273,558
	70 years	329	5,061			4,990	69,120	11,140	145,627	16,460	219,807
	90 years	787	14,701	3	65	9,727	152,527	10,242	138,637	20,758	305,930
	120 years	1	8			369	4,018	3,265	36,609	3,635	40,634
By forest type	Softwood	1,269	13,214	0	3	3,474	37,245	17,687	146,247	22,431	196,709
	Mixedwood	2,818	31,999	3	24	10,429	143,927	17,092	178,043	30,342	353,993
	Hardwood	2,979	42,478	22	292	12,370	184,527	10,942	123,160	26,313	350,456
	Regenerating	601		16		966		2,874		4,457	
Québec public lands[2]		**679**	**9,602**			**21,551**	**286,729**	**44,910**	**422,327**	**67,140**	**718,657**
By age	0-10 years	70	5			1,875	5,184	7,395	1,916	9,341	7,105
	30 years	58	484			1,326	10,382	5,197	22,057	6,581	32,922
	50 years	294	4,951			4,778	69,612	8,153	82,573	13,226	157,136
	70 years	108	1,621			4,259	57,473	10,766	141,269	15,132	200,363
	90 years	149	2,535			8,947	140,126	10,201	138,258	19,297	280,919
	120 years	1	7			366	3,952	3,197	36,254	3,564	40,213
By forest type	Softwood	108	1,012			2,992	29,833	17,128	143,116	20,227	173,961
	Mixedwood	273	3,525			8,510	114,009	16,237	170,569	25,020	288,104
	Hardwood	288	5,064			9,494	142,887	9,088	108,641	18,871	256,592
	Regenerating	10				555		2,457		3,022	
Small private holdings[2]		**5,746**	**62,993**	**40**	**317**	**4,839**	**66,596**	**3,553**	**24,138**	**14,177**	**154,044**
By age	0-10 years	1,279	174	19	3	644	1,114	1,087	212	3,029	1,503
	30 years	1,139	10,959	6	59	270	3,090	568	3,844	1,983	17,952
	50 years	2,785	41,542	11	190	2,682	42,440	1,482	15,617	6,961	99,789
	70 years	130	2,049			628	10,012	365	4,232	1,123	16,293
	90 years	412	8,269	3	65	614	9,938	19	167	1,048	18,439
	120 years					0	2	33	65	33	67
By forest type	Softwood	994	10,466	0	3	445	6,800	472	2,531	1,911	19,799
	Mixedwood	2,160	24,097	3	24	1,707	26,598	826	7,212	4,695	57,932
	Hardwood	2,059	28,430	21	290	2,296	33,198	1,839	14,395	6,215	76,313
	Regenerating	533		15		391		416		1,356	
Large private holdings[2]		**1,242**	**15,079**			**405**	**5,712**	**113**	**866**	**1,759**	**21,657**
By age	0-10 years	271	33			37	115	3		310	147
	30 years	131	1,161			24	204	22	76	177	1,442
	50 years	522	8,596			208	3,294	23	185	753	12,074
	70 years	91	1,391			40	669	8	104	140	2,164
	90 years	226	3,897			93	1,365	22	212	340	5,474
	120 years	0	1			3	64	35	290	39	355
By forest type	Softwood	167	1,733			19	327	85	588	271	2,648
	Mixedwood	386	4,373			106	1,680	23	235	515	6,289
	Hardwood	631	8,973			270	3,704	4	43	905	12,720
	Regenerating	58				9		0		67	
Federal lands[2]		**1**	**17**	**1**	**2**	**445**	**6,662**	**19**	**118**	**467**	**6,800**
By age	0-10 years	0		1		13	13	6		20	13
	30 years	0	0	0	2	10	106	6	35	16	143
	50 years	1	17			285	4,480	6	62	292	4,559
	70 years	0				63	966	2	21	65	987
	90 years					74	1,098	0	0	74	1,098
	120 years										
By forest type	Softwood	0	3			19	285	2	13	21	300
	Mixedwood	0	4			105	1,639	6	26	111	1,669
	Hardwood	1	10	0	2	310	4,739	11	80	322	4,831
	Regenerating	0		1		11		1		13	

1. Updated September 2004.
2. The figures have been rounded off, which may have caused negligible errors.

2 Intensive survey zone

Area of productive forests (grades between 0 % and 40 %) [1] and available gross merchantable volume (cont'd)

02 03 01

By age, forest type and administrative region (cont'd)

		Administrative regions								Subtotal[2]	
		09		10		11		12			
		(km²)	(m³, 000s)	(km²)	(m³, 000s)	(km²)	(m³, 000s)	(km²)	(m³, 000s)	(km²)	(m³, 000s)
Total area[2]		**80,293**	**661,885**	**57,768**	**389,011**	**16,383**	**137,961**	**10,920**	**94,021**	**165,365**	**1,282,878**
By age	0-10 years	11,995	15	15,722	440	3,242	66	2,997	1,694	33,956	2,214
	30 years	5,699	12,111	3,461	5,323	2,637	11,820	1,774	13,755	13,571	43,008
	50 years	6,601	53,148	2,927	17,634	5,173	57,980	4,475	54,459	19,176	183,221
	70 years	6,223	67,221	13,160	162,523	2,615	33,214	809	10,129	22,807	273,087
	90 years	23,201	253,282	5,858	60,685	2,195	29,070	859	13,901	32,112	356,937
	120 years	26,575	276,108	16,640	142,406	521	5,813	7	84	43,743	424,411
By forest type	Softwood	61,782	587,209	39,117	321,515	7,194	67,647	2,468	21,264	110,560	997,635
	Mixedwood	8,165	59,267	7,368	54,342	6,141	51,515	4,709	38,727	26,384	203,851
	Hardwood	1,725	15,409	1,734	13,153	1,938	18,799	2,694	34,031	8,090	81,392
	Regenerating	8,622		9,549		1,111		1,050		20,331	
Québec public lands[2]		**78,693**	**650,956**	**56,061**	**376,339**	**13,271**	**110,335**	**1,493**	**14,705**	**149,519**	**1,152,336**
By age	0-10 years	11,718	15	15,446	434	2,594	6	420	15	30,178	470
	30 years	5,468	11,306	3,378	4,986	2,105	8,477	83	474	11,033	25,244
	50 years	5,967	47,533	2,824	16,732	3,886	42,843	373	5,608	13,050	112,717
	70 years	6,051	65,539	13,017	160,956	2,158	26,968	439	5,880	21,664	259,344
	90 years	22,969	250,960	5,323	55,829	2,014	26,288	171	2,644	30,476	335,721
	120 years	26,520	275,602	16,074	137,401	516	5,753	7	83	43,117	418,840
By forest type	Softwood	60,940	580,762	37,884	311,467	6,467	61,657	532	5,252	105,823	959,138
	Mixedwood	7,664	55,846	7,165	52,156	4,534	36,609	590	5,917	19,952	150,528
	Hardwood	1,590	14,348	1,688	12,716	1,307	12,069	218	3,536	4,803	42,669
	Regenerating	8,500		9,325		963		153		18,940	
Small private holdings[2]		**578**	**3,882**	**138**	**808**	**2,780**	**24,845**	**8,773**	**72,706**	**12,270**	**102,241**
By age	0-10 years	99		44	4	607	58	2,389	1,664	3,139	1,726
	30 years	91	339	31	176	473	3,077	1,638	12,911	2,233	16,504
	50 years	304	2,704	37	352	1,158	13,835	3,818	44,542	5,318	61,432
	70 years	34	324	17	183	380	5,350	293	3,206	724	9,063
	90 years	42	444	4	45	158	2,482	635	10,383	839	13,355
	120 years	8	70	6	48	4	43			18	161
By forest type	Softwood	212	1,419	46	286	647	5,323	1,804	14,862	2,710	21,891
	Mixedwood	236	1,686	31	258	1,437	13,489	3,799	29,787	5,503	45,221
	Hardwood	82	777	36	263	560	6,033	2,332	28,056	3,010	35,129
	Regenerating	48		26		136		837		1,048	
Large private holdings[2]		**722**	**5,050**	**698**	**5,195**	**104**	**792**	**655**	**6,610**	**2,179**	**17,647**
By age	0-10 years	117		139	1	20		188	14	464	15
	30 years	122	397	35	127	33	173	53	369	243	1,067
	50 years	220	2,074	40	350	25	262	283	4,309	569	6,995
	70 years	104	1,028	53	572	19	239	78	1,043	254	2,882
	90 years	124	1,251	163	1,673	6	107	53	874	347	3,904
	120 years	34	300	267	2,473	1	10	0	0	302	2,784
By forest type	Softwood	457	3,604	471	4,060	50	423	131	1,149	1,109	9,235
	Mixedwood	180	1,196	100	1,060	50	352	320	3,022	650	5,630
	Hardwood	45	250	6	75	3	17	144	2,439	198	2,781
	Regenerating	40		120		1		60		222	
Federal lands[2]		**300**	**1,997**	**870**	**6,667**	**228**	**1,990**			**1,398**	**10,655**
By age	0-10 years	60		93	2	21	2			174	3
	30 years	18	68	17	33	26	92			61	193
	50 years	110	838	26	200	105	1,039			240	2,077
	70 years	33	330	74	811	58	657			165	1,798
	90 years	66	627	367	3,138	17	193			450	3,958
	120 years	13	135	293	2,483	0	7			307	2,626
By forest type	Softwood	173	1,424	716	5,702	29	244			918	7,370
	Mixedwood	86	538	72	867	121	1,066			279	2,471
	Hardwood	7	36	5	98	67	680			79	814
	Regenerating	34		77		11				121	

1. Updated September 2004.
2. The figures have been rounded off, which may have caused negligible errors.

2 Intensive survey zone

Area of productive forests (grades between 0 % and 40 %) [1] and available gross merchantable volume (cont'd)

By age, forest type and administrative region (cont'd)

02.03.01

		Administrative regions									
		13		14		15		16		17		Total[2]	
		(km²)	(m³, 000s)	(km²)	(m³, 000s)	(km²)	(m³, 000s)	(km²)	(m³, 000s)	(km²)	(m³, 000s)	(km²)	(m³, 000s)
Total area[2]		**61**	**362**	**9,892**	**115,745**	**17,811**	**241,717**	**3,591**	**41,930**	**3,504**	**30,644**	**424,115**	**3,791,919**
By age	0-10 years	31		1,610	323	1,717	2,241	564	219	787	694	81,487	20,100
	30 years	14	108	879	6,657	1,065	7,695	837	7,790	761	5,078	41,685	194,774
	50 years	15	233	3,042	42,239	6,233	92,904	1,654	23,516	1,790	21,722	83,364	958,296
	70 years	0	1	2,461	38,162	2,822	41,348	114	1,923	37	489	70,213	908,491
	90 years	1	20	1,764	26,919	5,634	93,102	422	8,482	129	2,662	79,255	1,022,017
	120 years			135	1,446	340	4,427					68,112	688,241
By forest type	Softwood			1,399	15,153	2,450	25,815	212	2,936	548	4,150	205,237	1,848,406
	Mixedwood	8	63	4,838	58,891	6,328	86,264	815	11,159	973	10,031	109,889	1,091,929
	Hardwood	25	299	3,320	41,702	8,617	129,638	2,255	27,835	1,705	16,463	69,236	851,584
	Regenerating	28		335		416		310		279		39,753	
Québec public lands[2]				**7,596**	**88,090**	**12,995**	**174,262**	**23**	**227**	**67**	**648**	**355,004**	**3,124,029**
By age	0-10 years			1,264	249	1,093	1,331	7	2	11	4	66,482	9,922
	30 years			635	4,272	861	5,863	5	46	12	79	31,382	116,923
	50 years			1,755	23,796	3,326	47,417	6	92	38	463	52,018	556,621
	70 years			2,159	33,552	2,434	34,885	0	5	3	37	64,938	837,342
	90 years			1,648	24,775	4,947	80,471	5	83	4	66	73,059	924,473
	120 years			135	1,446	334	4,296					67,125	678,749
By forest type	Softwood			1,240	13,244	2,091	21,559	1	11	14	123	191,640	1,733,097
	Mixedwood			3,959	47,633	4,787	63,208	3	31	28	309	85,049	837,749
	Hardwood			2,170	27,213	5,938	89,496	15	185	22	216	44,225	553,183
	Regenerating			228		179		4		4		34,090	
Small private holdings[2]		**61**	**362**	**2,287**	**27,560**	**4,567**	**64,130**	**3,479**	**40,601**	**3,377**	**29,413**	**55,307**	**546,006**
By age	0-10 years	31		345	74	587	908	539	200	763	681	12,170	9,831
	30 years	14	108	244	2,383	185	1,652	825	7,677	739	4,936	8,648	68,892
	50 years	15	233	1,285	18,418	2,785	43,596	1,609	22,826	1,731	21,019	26,933	348,900
	70 years	0	1	302	4,597	354	5,943	111	1,876	32	415	3,645	50,470
	90 years	1	20	112	2,088	650	11,901	395	8,021	112	2,362	3,850	67,473
	120 years					6	131					61	440
By forest type	Softwood			159	1,909	335	3,946	210	2,917	524	3,974	8,574	72,880
	Mixedwood	8	63	876	11,224	1,466	21,917	807	11,044	930	9,541	20,489	213,539
	Hardwood	25	299	1,146	14,428	2,560	38,267	2,169	26,640	1,652	15,898	21,774	259,586
	Regenerating	28		107		207		293		271		4,470	
Large private holdings[2]				**2**	**35**	**29**	**500**	**31**	**502**	**55**	**517**	**10,940**	**91,472**
By age	0-10 years			0		0	1	3	8	13	9	2,545	316
	30 years					2	23	1	7	10	60	1,535	8,297
	50 years			1	9	11	187	11	182	17	180	3,615	42,480
	70 years			0	6	4	69	1	25	2	35	1,209	15,277
	90 years			1	19	11	221	16	281	13	234	1,511	20,257
	120 years											524	4,846
By forest type	Softwood					3	34	1	8	9	48	3,972	33,518
	Mixedwood			1	15	9	173	3	58	15	174	3,523	30,091
	Hardwood			1	19	17	293	27	436	27	294	2,451	27,863
	Regenerating					0		0		5		994	
Federal lands[2]				**7**	**61**	**221**	**2,824**	**58**	**600**	**5**	**67**	**2,864**	**30,413**
By age	0-10 years			2		37	1	16	10	1		290	31
	30 years			0	2	17	158	7	60	0	5	120	663
	50 years			1	16	111	1,704	29	416	4	61	797	10,296
	70 years			0	5	30	452	1	17	0	1	420	5,402
	90 years			3	37	26	509	5	96			836	9,814
	120 years											402	4,207
By forest type	Softwood			1	0	22	275			1	5	1,050	8,912
	Mixedwood			2	19	66	966	2	26	1	7	828	10,550
	Hardwood			3	42	103	1,582	44	574	4	55	786	10,951
	Regenerating					30		12		0		200	

1. Updated September 2004.
2. The figures have been rounded off, which may have caused negligible errors.

3 Forest protection in Québec

Highlights

Area affected by spruce budworms (ha, 000s)

03 00 0

	2005	2006	2007
Light defoliation	3.7	10.8	33.2
Moderate defoliation	11.9	14.4	35.3
Severe defoliation	27.7	25.3	42.2
Total area affected	**43.3**	**50.5**	**110.7**

Areas affected by hemlock loopers (ha)

	2005	2006	2007
Light defoliation	4	0	0
Moderate defoliation	4	0	0
Severe defoliation	0	0	0
Total area affected	**8**	**0**	**0**

Forest fires

	2005	2006	2007
Intensive protection zone			
• Fires (no.)	1,258	623	892
• Area disturbed (ha, 000s)	386.7	13.7	278.0
• Fire control and firefighting costs ($, million)	120.8	67.6	108.8
• Relative importance of fires caused by lightning[1] (%)			
- Number	34		31
- Area disturbed	95		95
	2005	**2006**	**2007**
Limited protection zone			
• Fires (no.)	116	60	43
• Area disturbed (ha, 000s)	413.5	122.6	64.7
• Fire control and firefighting costs ($, million)	1.5	0.8	1.3

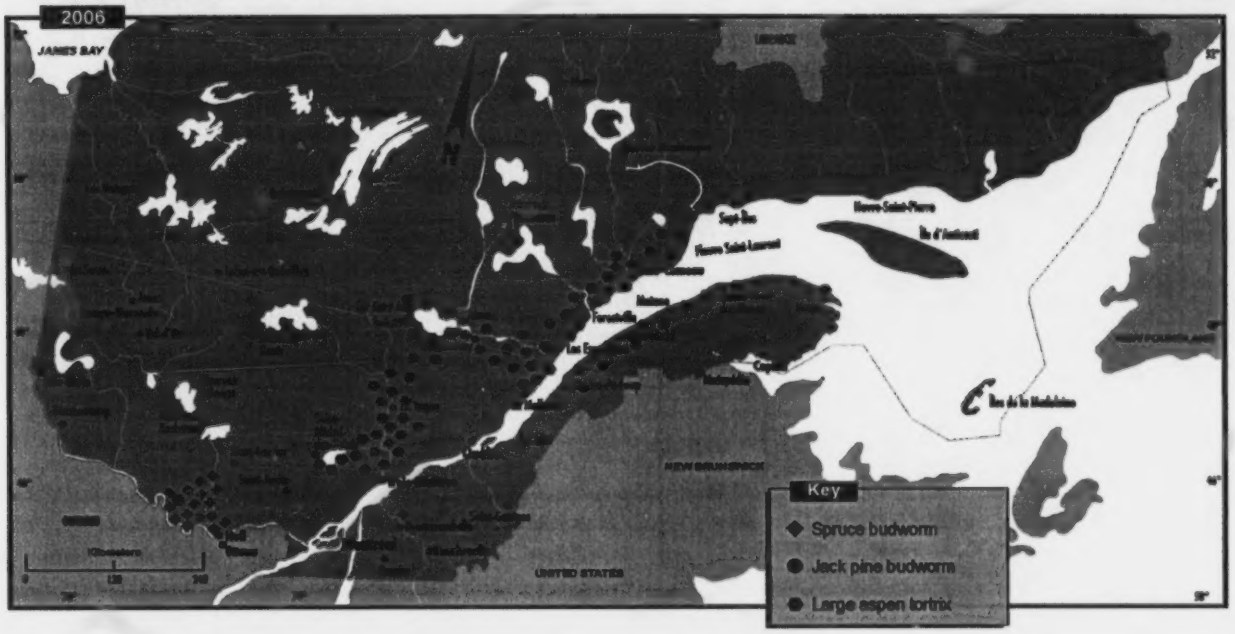
1. Lightning was the main cause of forest fires in Québec during the period 1997-2006.

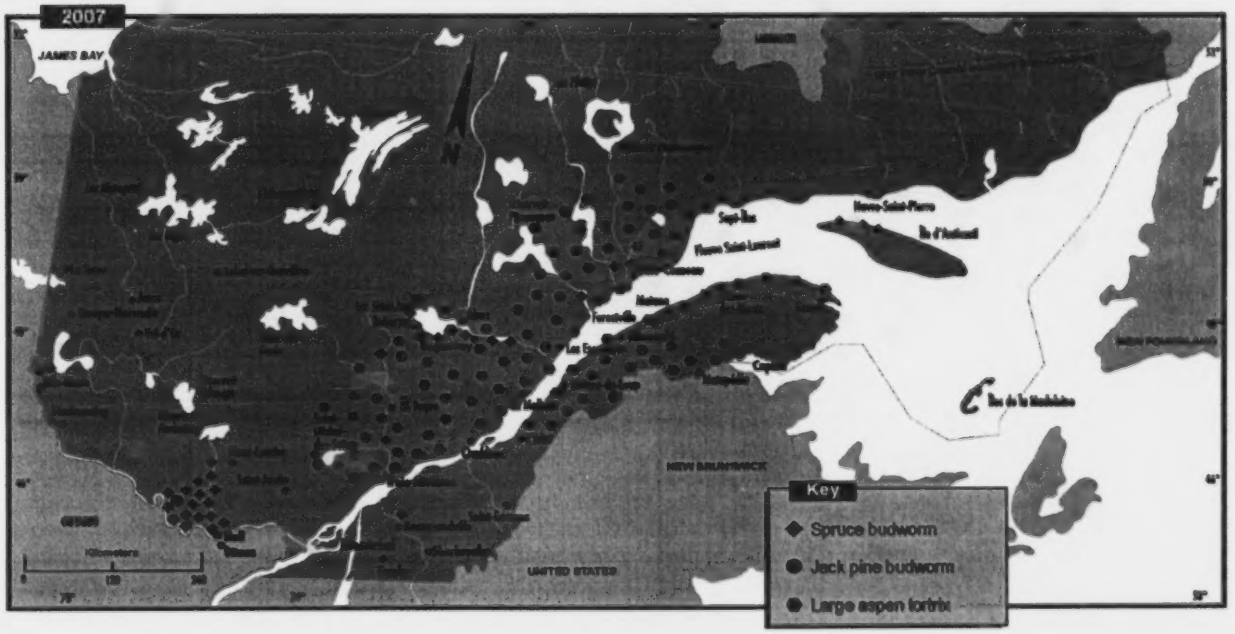
3 Forest protection in Québec

Insects and diseases

Areas damaged by defoliator insects

03.03.01





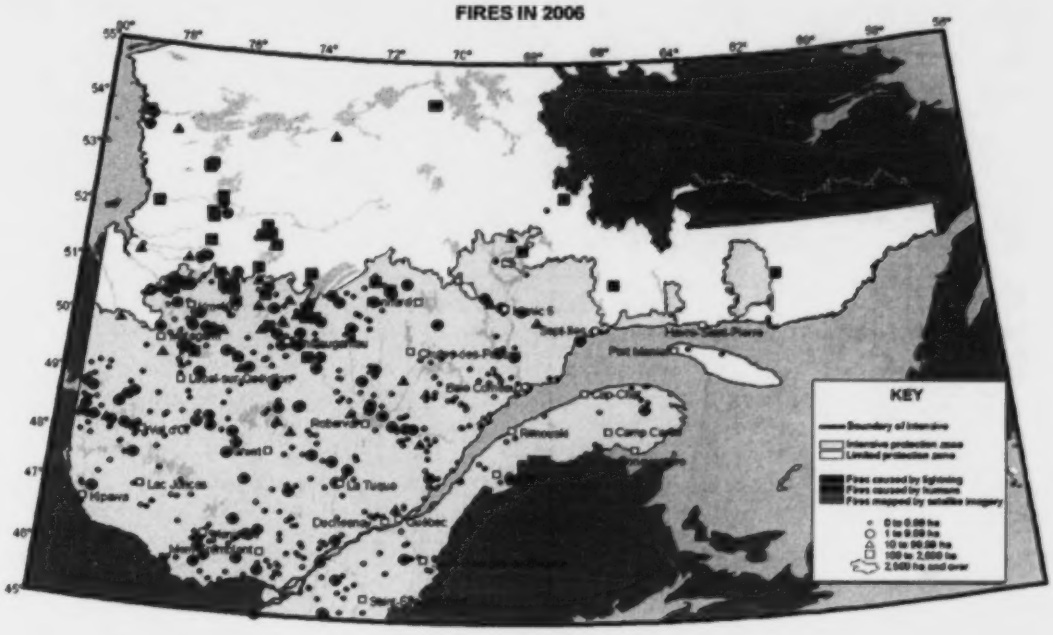
3 Forest protection in Québec

Forest fires

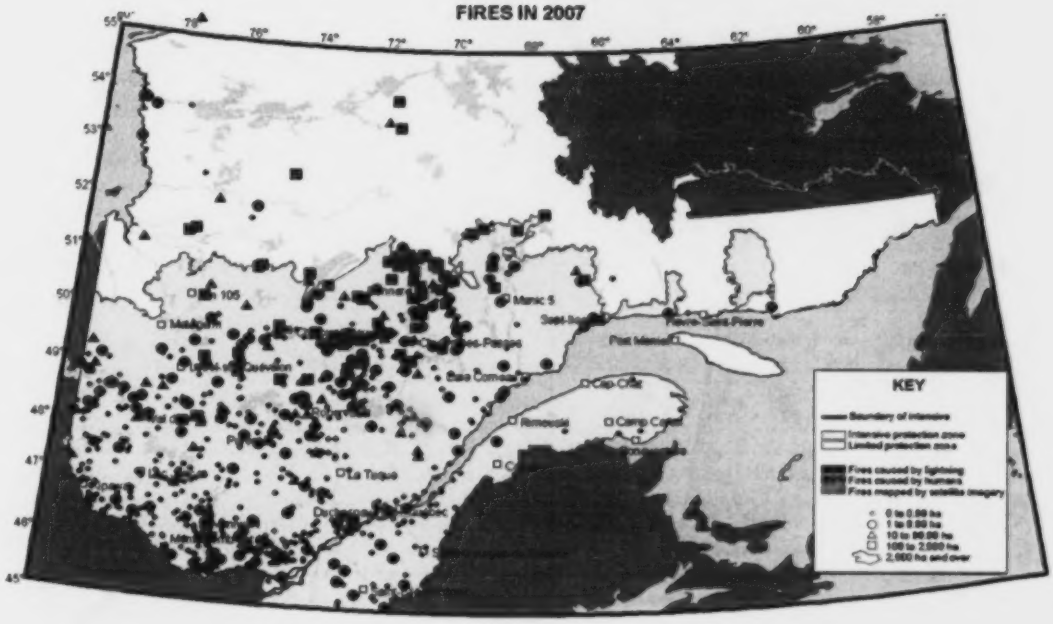
Areas damaged by fires

03 04 01

FIRES IN 2006



FIRES IN 2007



3 Forest protection in Québec

Forest fires (cont'd)

Intensive protection zone

Breakdown of forest fires by administrative region

03.04.07

Administrative regions		2002	2003	2004	2005	2006	2007	Total
01 Bas-Saint-Laurent	no.	21	13	5	14	12	5	70
	ha	79	3	1	5	2	2	92
02 Saguenay—Lac-Saint-Jean	no.	121	89	27	207	97	233	774
	ha	90,809	6,760	29	259,846	1,011	162,315	520,770
03 Capitale-Nationale	no.	50	34	9	14	19	24	150
	ha	14	40	3	11	32	57	157
04 Mauricie [1]	no.	90	67	29	60	54	81	381
	ha	74	566	13	28	67	330	1,078
05 Estrie	no.	12	16	6	18	3	9	64
	ha	4	11	0	18	1	8	42
06 Montréal	no.							0
	ha							0
07 Outaouais	no.	98	49	38	143	36	126	490
	ha	36	254	18	97	22	68	495
08 Abitibi-Témiscamingue	no.	94	51	33	249	85	156	668
	ha	91	153	33	11,749	153	61,701	73,880
09 Côte-Nord	no.	58	72	24	153	62	60	429
	ha	6,359	484	12	26,022	888	28,933	62,698
10 Nord-du-Québec	no.	54	35	10	170	158	53	480
	ha	134,820	621	5	88,734	11,553	24,556	260,289
11 Gaspésie—Îles-de-la-Madeleine	no.	25	15	23	11	14	7	95
	ha	79	4	72	2	3		160
12 Chaudière-Appalaches	no.	36	27	14	19	15	18	129
	ha	9	14	8	8	3	4	46
13 Laval	no.							0
	ha							0
14 Lanaudière	no.	44	52	33	72	18	41	260
	ha	20	48	24	50	2	12	156
15 Laurentides	no.	61	69	37	85	30	64	346
	ha	23	37	7	55	16	37	175
16 Montérégie	no.	23	16	7	28	15	9	98
	ha	21	18	31	30	14	7	121
17 Centre-du-Québec	no.	16	22	5	15	5	6	69
	ha	5	35	2	16	1	3	62
Total	**no.**	**883**	**627**	**300**	**1,258**	**623**	**892**	**4,503**
	ha	**232,443**	**9,048**	**258**	**386,671**	**13,768**	**278,033**	**920,221**

1. This breakdown has been made according to the boundaries of the administrative regions established in November of 2006

4 Sustainable development of Québec's forests
Highlights

Sustainable development criteria

04.00.01

1 - Preservation of biological diversity
2 - Maintenance and improvement of the conditions and productivity of forest ecosystems
3 - Conservation of soil and water resources
4 - Maintenance of the function of forest ecosystems as a component of global ecological cycles
5 - Maintenance of the multiple socio-economic benefits society derives from the forests
6 - Giving of proper consideration, in selecting forms of development, to the values and needs expressed by the populations concerned

Distribution of protected areas by bioclimatic domain

	(km^2)
Sugar maple-bittermut hickory domain	921
Sugar maple-basswood domain	923
Sugar maple-yellow birch domain	3,414
Balsam fir-yellow birch domain	3,093
Balsam fir-white birch domain	6,303
Spruce-moss domain	32,443
Spruce-lichen domain	5,892
Forest tundra domain	15,543
Shrub arctic tundra domain	6,461
Herbaceous arctic tundra domain	1,270
Waters of the St. Lawrence River, James Bay, Hudson Bay, Ungava Bay and Hudson Strait	3,938
Total	**80,218**

Plant species designated as threatened or vulnerable

Small White Leek
Puttyroot
Green dragon
Butterfly milkweed
Pod-fern
White wood-aster
American alpine lady fern
False hop sedge
Late coral-root
Broom crowberry
Ram's-head lady's slipper
Wall rue
False mermaid-weed
Dwarf huckleberry
American ginseng
Woodland sunflower
Lizard's tail
Slender muhly
Softhair marbleseed
Rock elm
Pitch pine
Broad beech fern
May apple
Eastern jacob's-ladder
Pinedrops
Douglas' knotweed
Round-leaf groundsel
Fragrant sumac
Bog fern
Marsh valerian
Blunt-lobed cliff fern

Animal species likely to be designated as threatened or vulnerable

Fish	6
Amphibians	5
Turtles	3
Reptiles	35
Birds	8
Mammals	12

5 Forest Management
Highlights

05.00.01

Allowable annual cut in Québec's forest (m^3, 000s)

	March 31, 2007
Allowable annual cut - public forests (common areas) (softwoods : 69.2 %, hardwoods : 30.8 %)	35,199.4
Allowable annual cut - private forests (regional agencies) (softwoods : 46.4 %, hardwoods : 53.6 %)	11,968.8
Current volumes (softwoods : 36.9 %, hardwoods : 63.1 %)	651.6
Total	**47,819.8**

Surface areas considered in calculating the allowable annual cut in Québec (ha, 000s)

		March 31, 2007
Productive public forests [1]	- TSFMAs and FMAs	29,891.8
	- FMCs	1,374.0
Productive private forests [1] (regional agencies)		6,624.6
Total		**37,890.3**

1. Grades between 0 % and 40 %.

Volume of timber allocated in Québec's public forests (m^3, 000s)

	March 31, 2007
Timber supply and forest management agreements (TSFMAs) and Forest management agreements (FMAs)	35,854.8
Forest management contracts (FMCs)	756.9

Number of common areas and timber supply and forest management agreements

	March 31, 2007
Common areas	114
Timber supply and forest management agreements (TSFMAs) and Forest management agreements (FMAs)	219
Forest management contracts (FMCs)	89

Volume of timber harvested in Québec in 2006-2007 (m3, 000s)

Public forests	24,254p
Private forests (estimate) [1]	8,758p
• Volumes marketed by syndicates and marketing boards	5,973
Total	**33,012**
Volumes harvested/allowable annual cut [2]	
• Softwoods	81.4 %
• Hardwoods	50.2 %
Total	**70.0 %**

1. Including approximately 2.0 million m^3 of firewood.
2. Allowable annual cut (public and private forests), all species combined.

Size of cutting areas in Québec 2006-2007 (ha, 000s)

Public forests	264.0
Private forests (estimate)	85.0
Total	**349.0**
Total size of cutting areas/productive forest area [1]	**0.92 %**

1. Total area of public and private forests considered in calculating the allowable annual cut.

Market value of standing trees (public forests, all species combined), based on the mean provincial unit rate

	($/$m^3$)
2004-2005	12.61
2005-2006	12.65
2006-2007	10.79

Relative share of transportation methods used for Québec's lumber exports

	2005-2006	2006-2007p
Rail	37.4 %	33.1 %
Truck	60.2 %	63.5 %
Ship	2.4 %	3.4 %
Total	**100 %**	**100 %**

Network of permanent forest roads in Québec in 2005-2006

Length (km)	16,700e
Bridges (no.)	590e

Québec's production of seedlings for reforestation

	2005-2006	2006-2007
Cones harvested (hl)	1,584.9	2,653.2p
Area of seed tree orchards (ha)	1,284.0	1,297.0p
Seedlings produced (000s)	127,947.0	156,781.0p
• MRNF nurseries	34,346.0	38,381.0p
• Privately owned nurseries	93,601.0	118,400.0p

Reforestation in Québec

		(seedlings, 000s)	(ha, 000s)
Public forests	2003-2004r	95,979	67.9
	2004-2005r	86,281	60.1
	2005-2006p	98,097	58.1
Private forests	2003-2004r	23,486	10.7
	2004-2005r	21,972	10.1
	2005-2006p	20,119	9.2
Total	**2003-2004r**	**119,465**	**78.6**
	2004-2005p	**108,253**	**70.2**
	2005-2006p	**118,216**	**67.3**

Site preparation in Québec's forests (ha, 000s)

Public forests	2003-2004r	54.9
	2004-2005r	46.4
	2005-2006p	55.0
Private forests	2003-2004r	9.0
	2004-2005r	8.2
	2005-2006p	8.2
Total	**2003-2004r**	**63.9**
	2004-2005p	**54.6**
	2005-2006p	**63.2**

Noncommercial silvicultural treatments carried out in Québec [1] (ha, 000s)

Public forests	2003-2004r	116.3
	2004-2005r	111.8
	2005-2006p	112.5
Private forests	2003-2004r	16.8
	2004-2005r	19.0
	2005-2006p	18.2
Total	**2003-2004r**	**133.1**
	2004-2005p	**130.8**
	2005-2006p	**130.7**

Commercial silvicultural treatments carried out in Québec [1] (ha, 000s)

Public forests	2003-2004r	293.8
	2004-2005r	284.4
	2005-2006p	311.6
Private forests	2003-2004r	9.8
	2004-2005r	11.9
	2005-2006p	13.4
Total	**2003-2004r**	**303.6**
	2004-2005p	**296.2**
	2005-2006p	**325.0**

Silvicultural treatments planned in Québec forests to achieve fixed yields (ha, 000s/year)

Common areas [1]	670.9
Regional agencies for private forest development [2]	67.4

1. Silvicultural treatments planned in the public forests (2005-2006) and (2006-2007).

2. Silvicultural treatments planned in the private forests (2000-2006).

Silvicultural treatments carried out in Québec (ha, 000s)

Public forests	2003-2004r	534.9
	2004-2005r	502.9
	2005-2006p	537.5
	2006-2007p	466.0
Private forests	2003-2004r	46.4
	2004-2005r	49.2
	2005-2006p	49.0
	2006-2007p	48.0
Total	2003-2004r	**581.2**
	2004-2005r	**552.1**
	2005-2006p	**586.6**
	2006-2007p	**514.0**

5 Forest management

Allowable annual cut

The allowable annual cut was calculated for public forests (areas covered by common areas) (37.4 million ha) and for small and large private holdings (6.6 million ha).

Allowable annual cut by administrative region [1] on March 31, 2007 (public forests - common areas) (m^3)

05 01 01

Administrative regions	Public forests (Common areas)					Forest reserves [2]					Total
	Fir, spruce, jack pine, larch	Other softwoods	Poplars	Other hardwoods	Subtotal	Fir, spruce, jack pine, larch	Other softwoods	Poplars	Other hardwoods	Subtotal	
01 Bas-Saint-Laurent	744,735	40,116	104,392	228,598	1,117,841	-	-	-	-	-	-
02 Saguenay—Lac-Saint-Jean	5,972,808	4,368	613,817	906,152	7,497,146	-	-	-	-	-	-
03 Capitale-Nationale	686,203	8,256	94,347	257,987	1,046,794	-	-	-	-	-	-
04 Mauricie	2,091,249	52,603	451,384	970,617	3,565,853	-	-	-	-	-	-
05 Estrie	25,778	2,512	5,647	40,800	74,737	-	-	-	-	-	-
06 Montréal						-	-	-	-	-	-
07 Outaouais	652,423	539,607	410,918	1,539,561	3,142,508	-	-	-	-	-	-
08 Abitibi-Témiscamingue	2,740,618	420,039	662,844	1,319,929	5,143,430	-	-	-	-	-	-
09 Côte-Nord	3,885,808	665	262,290	407,250	4,556,013	-	-	-	-	-	-
10 Nord-du-Québec	3,987,513		450,981	233,230	4,671,724	-	-	-	-	-	-
11 Gaspésie—Îles-de-la-Madeleine	1,219,885	34,696	136,489	127,536	1,518,606	-	-	-	-	-	-
12 Chaudière-Appalaches	124,644	16,832	23,195	51,315	215,985	-	-	-	-	-	-
13 Laval						-	-	-	-	-	-
14 Lanaudière	430,038	29,801	149,278	358,331	967,448	-	-	-	-	-	-
15 Laurentides	519,260	112,650	129,020	919,240	1,680,169	-	-	-	-	-	-
16 Montérégie						-	-	-	-	-	-
17 Centre-du-Québec	573	46	46	498	1,162	-	-	-	-	-	-
Total	**23,081,536**	**1,262,190**	**3,494,647**	**7,361,042**	**35,199,415**	-	-	-	-	-	-

Allowable annual cut [3] by administrative region [4] on March 31, 2007 (private forests) (m^3)

Administrative regions	Allowable annual cut					Current volumes					Total
	Fir, spruce, jack pine, larch	Other softwoods	Poplars	Other hardwoods	Subtotal	Fir, spruce, jack pine, larch	Other softwoods	Poplars	Other hardwoods	Subtotal	
01 Bas-Saint-Laurent	808,550	60,700	373,900	316,200	1,559,350	25,800	28,300	172,100	92,800	319,000	1,878,350
02 Saguenay—Lac-Saint-Jean	303,800	3,600	191,600	81,800	580,800						580,800
03 Capitale-Nationale	393,000	38,500	158,400	370,000	959,900						959,900
04 Mauricie	457,700	33,900	71,200	253,900	816,700						816,700
05 Estrie	494,100	132,200	127,500	555,000	1,308,800	6,000	30,400		19,600	56,000	1,364,800
06 Montréal											
07 Outaouais	172,600	220,600	269,000	557,500	1,219,700						1,219,700
08 Abitibi-Témiscamingue	233,400	15,700	521,400	74,100	844,600						844,600
09 Côte-Nord	113,300	1,300	51,900	31,600	198,100						198,100
10 Nord-du-Québec											
11 Gaspésie—Îles-de-la-Madeleine	259,100	19,800	110,500	136,200	525,600	19,400	28,600	29,600	35,600	113,200	638,800
12 Chaudière-Appalaches	913,400	165,100	169,700	714,700	1,962,900	8,000	45,000	12,000		65,000	2,027,900
13 Laval											
14 Lanaudière	88,700	28,300	38,100	158,700	313,800						313,800
15 Laurentides	211,300	73,600	140,400	427,000	852,300	4,600	44,300	14,100	35,400	98,400	950,700
16 Montérégie	36,300	66,200	30,000	283,900	416,400						416,400
17 Centre-du-Québec	154,400	57,800	58,000	139,600	409,800						409,800
Total	**4,639,650**	**917,300**	**2,311,600**	**4,100,200**	**11,968,750**	**63,800**	**176,600**	**227,800**	**183,400**	**651,600**	**12,620,350**

1. Volumes are distributed proportionally to the size of common areas located in the region.
2. Data not available at this time.
3. Established by the regional agencies for private forests development as part of the PPDPF
4. Includes small and large private forests and excludes Category 1 lands.

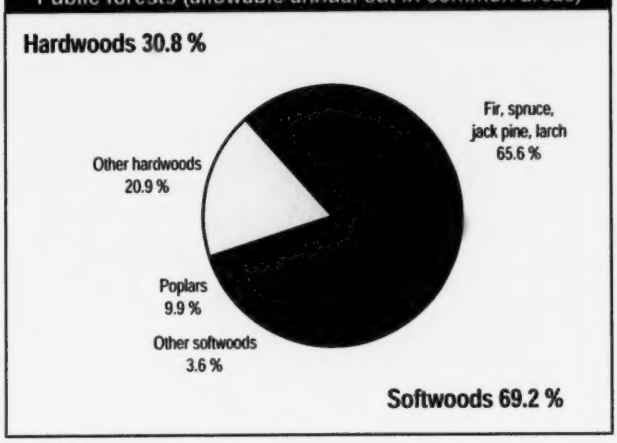
5 Forest management

Allowable annual cut (cont'd)

Breakdown of allowable annual cut by species in 2007

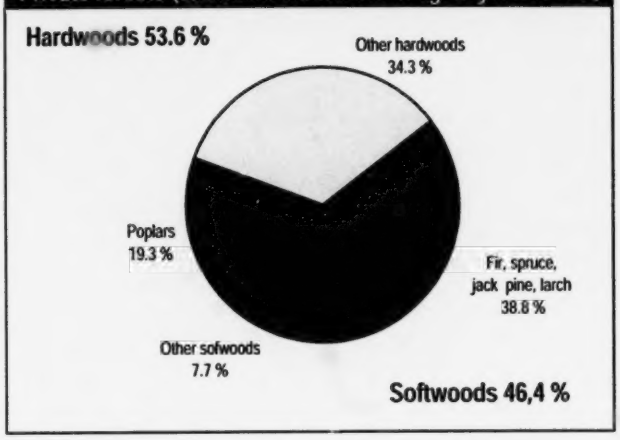
05.01.02

Public forests (allowable annual cut in common areas)



05.01.03

Private forests (allowable annual cut in agency territories)



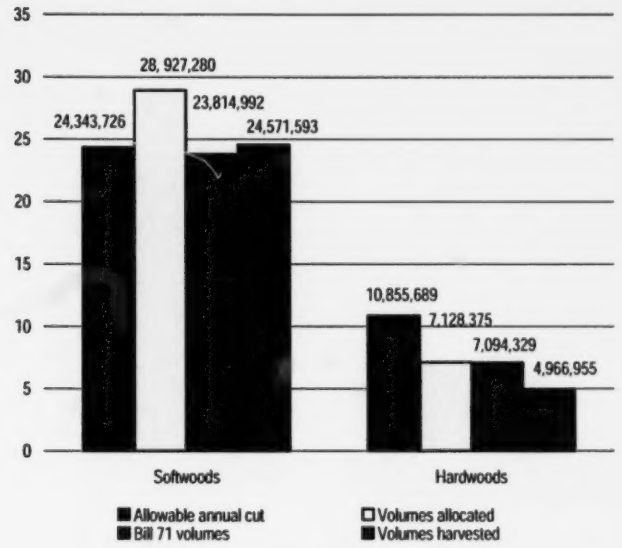
5 Forest Management

Allowable annual cut (cont'd)

Allowable annual cut/volumes allocated (common areas)/volumes harvested (public forests)

By species group, 2005-2006

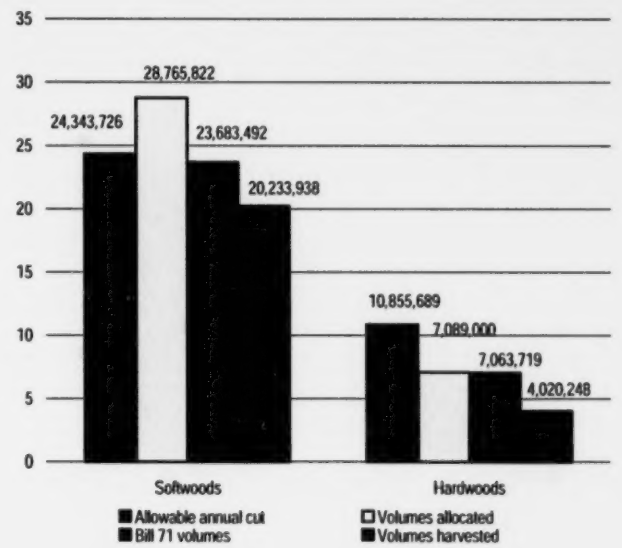
(m^3, million)



By species group, 2006-2007

(m^3, million)

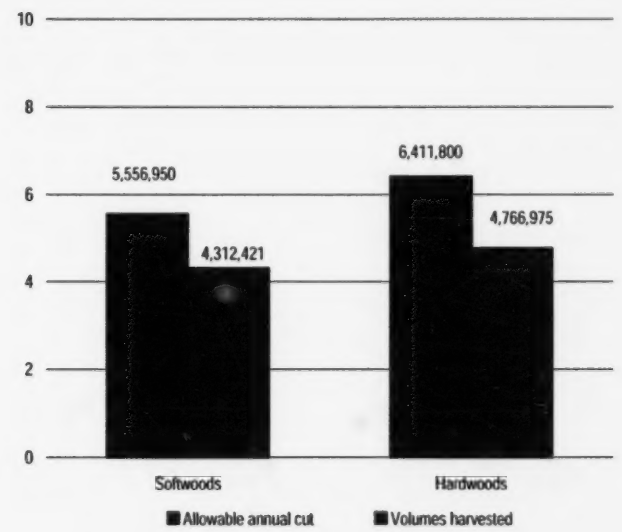
05 01 10



Allowable annual cut/volumes harvested [1] (private forests)

By species group, 2005-2006

(m^3, million)



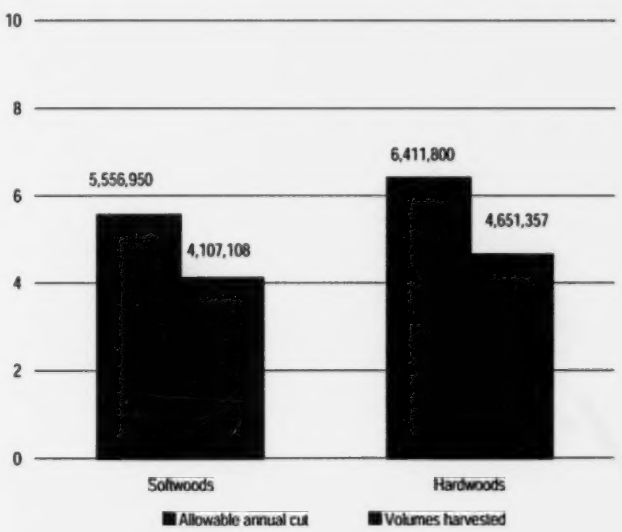
1. Including an estimated volume of firewood (1.9 million m^3 of hardwoods).

Allowable annual cut/volumes harvested [1] (private forests)

By species group, 2006-2007

(m^3, million)

05 01 11



1. Including an estimated volume of firewood (1.9 million m^3 of hardwoods).

5 Forest management

Harvest

Volume of timber harvested in public and private forests

05.02.01

A) By tenure and species group

	2002-2003		2003-2004		2004-2005		2005-2006		2006-2007	
	Total		Total		Total		Total		Total	
	('000 m^3)	(%)	('000 m^3)	(%)	('000 m^3)	(%)	('000 m^3)	(%)	('000 m^3)	(%)
Total	**41,175**	**100**	**39,899**	**100**	**43,332**	**100**	**38,616**	**100**	**33,013p**	**100**
Softwoods	31,261	76	29,430	74	32,125	74	28,883	75	24,341p	74
Hardwoods	9,914	24	10,469	26	11,207	26	9,734	25	8,672p	26
Québec public lands [1]	**31,288**	**100**	**30,814**	**100**	**34,273**	**100**	**29,537**	**100**	**24,254p**	**100**
Softwoods	26,481	85	25,186	82	28,084	82	24,571	83	20,234p	83
Hardwoods	4,807	15	5,628	18	6,189	18	4,967	17	4,020p	17
Private holdings [2]	**9,887**	**100**	**9,085**	**100**	**9,059**	**100**	**9,079**	**100**	**8,758**	**100**
Softwoods	4,780	48	4,244	47	4,041	45	4,312	47	4,107	47
Hardwoods	5,107	52	4,841	53	5,018	55	4,767	53	4,651	53

1. Volume of timber harvested and actually measured in public forests, not including small volumes harvested for specific purposes (public utility works, mining activities wildlife and leisure developments, etc.).
2. Estimated volume harvested in private forests by individual producers or producers' groups, including chips and firewood (approx. 1.9 million m^3), but excluding small volumes of roundwood harvested for export.

5 Forest management

Harvest (cont'd)

Volume of timber harvested in public and private forests (cont'd)

B) By administrative region (m^3, 000s)

2004-2005

05.02.02

Administrative regions	Public forests [1]						Private forests [2]					
	Fir, spruce, jack pine, larch	Other softwoods	Total softwoods	Poplars	Other hardwoods	Total hardwoods	Fir, spruce, jack pine, larch	Other softwoods	Total softwoods	Poplars	Other hardwoods	Total hardwoods
01 Bas-Saint-Laurent	956.4	41.7	998.1	105.2	233.1	338.3	571.3	65.0	636.3	444.7	273.3	718.0
02 Saguenay—Lac-Saint-Jean	7,325.8	0.2	7,326.0	447.4	483.5	930.9	214.6	1.1	215.7	149.9	53.3	203.2
03 Capitale-Nationale	648.9	1.8	650.7	45.5	87.9	133.4	345.3	16.3	361.6	83.9	222.3	306.2
04 Mauricie	3,350.9	38.1	3,389.0	439.2	603.1	1,042.4	264.4	15.6	279.9	24.8	194.1	218.9
05 Estrie	23.7	0.7	24.4	3.9	56.3	60.2	486.8	73.8	560.5	139.3	492.5	631.7
06 Montréal	-	-	-	-	-	-	-	-	-	-	-	-
07 Outaouais	458.7	255.0	713.7	326.9	758.3	1,085.2	118.3	114.4	232.6	257.4	410.4	667.8
08 Abitibi-Témiscamingue	3,324.4	132.2	3,456.6	431.7	377.9	809.5	177.5	0.1	177.6	302.1	19.3	321.5
09 Côte-Nord	3,938.6	-	3,938.6	24.5	12.1	36.6	145.1	0.4	145.4	16.6	8.6	25.1
10 Nord-du-Québec	4,558.5	-	4,558.5	288.3	9.0	297.3	-	-	-	-	-	-
11 Gaspésie—Îles-de-la-Madeleine	1,394.0	21.6	1,415.6	155.0	151.1	306.1	104.8	29.1	133.9	104.3	60.0	164.3
12 Chaudière-Appalaches	160.4	11.2	171.7	15.6	35.2	50.7	801.4	85.1	886.5	156.8	486.4	643.2
13 Laval	-	-	-	-	-	-	-	-	-	-	-	-
14 Lanaudière	699.1	22.3	721.3	110.6	245.0	355.5	48.7	16.7	65.4	33.5	144.1	177.5
15 Laurentides	673.6	46.4	720.0	131.4	610.9	742.3	104.1	23.4	127.6	121.2	352.4	473.5
16 Montérégie	-	-	-	-	0.1	0.1	10.9	11.8	22.7	34.6	220.2	254.8
17 Centre-du-Québec	-	-	-	-	-	-	159.0	36.0	195.0	32.3	179.7	212.0
Total	**27,513.1**	**571.1**	**28,084.2**	**2,525.2**	**3,663.5**	**6,188.7**	**3,552.0**	**488.7**	**4,040.7**	**1,901.2**	**3,116.5**	**5,017.7**

1. Volume of timber harvested and scaled in public forests, not including small volumes harvested for specific purposes (public utility works, mining activities, wildlife and leisure developments, etc.).
2. Estimated volume harvested in private forests by individual producers or producers' groups, including chips and firewood (approx. 1.9 million m^3), but excluding small volumes of roundwood harvested for export.

2005-2006

05.02.03

Administrative regions	Public forests [1]						Private forests [2]					
	Fir, spruce, jack pine, larch	Other softwoods	Total softwoods	Poplars	Other hardwoods	Total hardwoods	Fir, spruce, jack pine, larch	Other softwoods	Total softwoods	Poplars	Other hardwoods	Total hardwoods
01 Bas-Saint-Laurent	744.2	28.5	772.6	100.0	170.6	270.6	488.9	69.0	557.9	424.4	236.9	661.3
02 Saguenay—Lac-Saint-Jean	7,491.0	1.1	7,492.0	383.2	413.7	797.0	473.9	5.0	478.9	181.1	74.9	255.9
03 Capitale-Nationale	676.0	1.2	677.2	40.8	98.5	139.3	300.1	10.1	310.2	16.0	169.6	185.6
04 Mauricie	2,145.1	30.4	2,175.5	344.4	325.9	670.4	593.8	19.0	612.8	57.9	94.0	151.9
05 Estrie	29.2	1.0	30.2	4.4	36.4	40.8	292.4	82.4	374.8	232.7	700.6	933.2
06 Montréal	-	-	-	-	-	-	-	-	-	-	-	-
07 Outaouais	488.1	140.5	628.7	309.6	491.7	801.3	69.5	114.6	184.0	261.6	463.2	724.8
08 Abitibi-Témiscamingue	2,571.3	82.2	2,653.5	494.7	259.2	753.9	203.7	1.1	204.4	298.9	39.9	338.9
09 Côte-Nord	3,872.9	-	3,872.9	44.7	20.1	64.9	72.7	0.1	72.7	4.0	15.9	19.9
10 Nord-du-Québec	3,831.3	-	3,831.3	261.2	10.8	272.0	38.6	-	-	-	-	-
11 Gaspésie—Îles-de-la-Madeleine	1,112.7	23.5	1,136.2	128.7	73.5	202.2	308.2	16.6	324.8	22.6	35.9	58.5
12 Chaudière-Appalaches	119.5	8.8	128.4	23.3	36.6	59.9	802.4	139.7	942.1	96.4	380.2	476.5
13 Laval	-	-	-	-	-	-	-	-	-	-	-	-
14 Lanaudière	568.2	12.4	580.6	118.7	194.8	313.5	65.6	19.8	85.4	63.4	134.0	197.4
15 Laurentides	558.4	33.1	591.5	93.7	487.1	580.9	85.2	14.9	100.0	12.9	289.4	302.3
16 Montérégie	-	-	-	-	-	-	1.8	12.3	14.1	1.5	226.6	228.1
17 Centre-du-Québec	-	-	-	-	-	-	6.6	5.1	11.6	3.1	229.6	232.7
Total	**24,208.0**	**362.6**	**24,570.6**	**2,347.4**	**2,619.1**	**4,966.6**	**3,802.8**	**509.7**	**4,273.8**	**1,676.3**	**3,090.7**	**4,767.0**

1. Volume of timber harvested and actually measured in public forests, not including small volumes harvested for specific purposes (public utility works, mining activities, wildlife and leisure developments, etc.).
2. Estimated volume harvested in private forests by individual producers or producers' groups, including chips and firewood (approx. 1.9 million m^3), but excluding small volumes of roundwood harvested for export.

5 Forest management

Harvest (cont'd)

Volume of timber harvested in public and private forests (cont'd)

B) By administrative region (m^3, 000s) (cont'd)

2006-2007

05.02.04

Administrative regions	Public forests [1]						Private forests [2]					
	Fir, spruce, jack pine, larch	Other softwoods	Total softwoods	Poplars	Other hardwoods	Total hardwoods	Fir, spruce, jack pine, larch	Other softwoods	Total softwoods	Poplars	Other hardwoods	Total hardwoods
01 Bas-Saint-Laurent	679.0p	20.1p	699.1p	100.7p	159.8p	260.6p	510.8p	25.2p	536.0p	373.8p	243.6p	617.4p
02 Saguenay—Lac-Saint-Jean	6,001.5p	0.0p	6,001.5p	250.8p	223.1p	473.9p	408.1p		408.1p	128.5p	51.1p	179.6p
03 Capitale-Nationale	675.1p	1.0p	676.0p	29.7p	84.3p	114.0p	345.5p	15.0p	360.4p	89.9p	224.6p	314.5p
04 Mauricie	1,909.1p	49.7p	1,958.9p	309.4p	328.2p	637.5p	222.6p	13.3p	235.9p	42.8p	154.8p	197.5p
05 Estrie	23.4p	0.6p	24.0p	2.9p	41.4p	44.2p	468.6p	65.9p	534.5p	127.3p	535.3p	662.5p
06 Montréal	-	-	-	-	-	-	-	-	-	-	-	-
07 Outaouais	387.8p	177.3p	565.1p	195.7p	335.2p	530.9p	189.1p	75.4p	264.5p	245.4p	387.3p	632.7p
08 Abitibi-Témiscamingue	1,937.4p	139.5p	2,076.9p	481.9p	316.8p	798.6p	156.8p	0.3p	157.0p	272.4p	41.8p	314.2p
09 Côte-Nord	3,367.9p		3,367.9p	37.2p	19.1p	56.3p	7.1p	-	7.1p	7.2p	15.8p	23.0p
10 Nord-du-Québec	2,944.1p	0.0p	2,944.1p	321.8p	3.3p	325.1p	40.6p	-	40.6p	-	-	-
11 Gaspésie—Îles-de-la-Madeleine	1,004.8p	1.5p	1,006.4p	75.8p	57.0p	132.8p	311.1p	4.0p	315.1p	65.3p	58.2p	123.5p
12 Chaudière-Appalaches	121.4p	10.5p	131.8p	21.1p	26.5p	47.6p	777.6p	70.0p	847.6p	136.1p	398.5p	534.7p
13 Laval	-	-	-	-	-	-	-	-	-	-	-	-
14 Lanaudière	365.5p	7.2p	372.7p	70.7p	130.1p	200.8p	55.9p	16.5p	72.4p	22.8p	140.2p	162.9p
15 Laurentides	389.9p	19.7p	409.5p	45.3p	352.6p	397.9p	87.9p	23.0p	110.9p	103.0p	331.0p	434.0p
16 Montérégie	-	-	-	-	-	-	6.1p	6.7p	12.9p	18.1p	233.0p	251.1p
17 Centre-du-Québec	-	-	-	-	-	-	179.2p	24.8p	204.0p	30.4p	173.1p	203.5p
Total	**19,806.9p**	**427.1p**	**20,233.9p**	**1,942.8p**	**2,077.4p**	**4,020.2p**	**3,767.0p**	**340.1p**	**4,107.1p**	**1,663.0p**	**2,988.3p**	**4,651.4p**

1. Volume of timber harvested and actually measured in public forests, not including small volumes harvested for specific purposes (public utility works, mining activities, wildlife and leisure developments, etc.).

2. Estimated volume harvested in private forests by individual producers or producers' groups, including chips and firewood (approx. 1.9 million m^3), but excluding small volumes of roundwood harvested for export and volumes delivered to mills of 2,000 m^3 and less.

5 Forest management

Forest dues

Market value of standing timber in public forests, by quality and mean provincial unit rates, 2003-2004 and 2004-2005 ($/m^3)

05 03 06

Species group	Quality [2]	Fiscal year (Period) [1]									
		2003-2004					2004-2005				
		1re pér.	2e pér.	3e pér.	4e pér.	Mean	1re pér.	2e pér.	3e pér.	4e pér.	Mean
Jack Pine	F (pole)	18.03	18.03	18.03	18.03	18.03	17.53	17.53	17.56	17.56	17.55
Fir, spruce, jack pine, larch	B (saw timbrer, pulp)	12.38	11.78	11.58	11.89	11.91	12.10	13.27	14.89	14.49	13.69
White pine	G (saw timber)	23.53	23.30	23.63	23.70	23.54	17.86	18.56	18.77	18.81	18.50
	H (saw timber)	15.65	15.50	15.72	15.77	15.66	11.49	11.94	12.08	12.10	11.90
	I (saw timber)	14.18	14.04	14.24	14.28	14.18	10.34	10.75	10.87	10.89	10.71
Red pine	F (pole)	24.50	24.50	24.50	24.50	24.50	24.79	24.79	24.84	24.84	24.82
	G (saw timber)	17.40	17.23	17.47	17.53	17.41	13.60	14.14	14.29	14.32	14.09
	H (saw timber)	11.63	11.52	11.68	11.71	11.63	8.62	8.96	9.06	9.07	8.93
	I (saw timber)	10.59	10.49	10.64	10.67	10.60	7.96	8.28	8.37	8.39	8.25
Hemlock, thuja	B (saw timber)	3.11	2.93	2.89	3.01	2.99	2.97	3.29	3.77	3.68	3.43
White and red pine, hemlock, thuja	C (pulp)	2.02	1.92	1.88	1.95	1.94	1.83	2.02	2.29	2.22	2.09
Oak, cherry, walnut, hickory	A (peeling)	60.63	58.95	57.01	56.56	58.29	55.64	56.07	56.38	54.84	55.73
	B (saw timber)	30.32	30.34	29.84	31.46	30.49	33.97	34.15	33.08	32.50	33.43
	C (saw timber)	11.79	11.80	11.60	12.23	11.85	13.80	13.88	13.44	13.21	13.58
Yellow birch, ash, basswood, elm	A (peeling)	57.01	55.44	53.62	53.19	54.82	55.22	55.65	55.95	54.43	55.31
	B (saw timber)	24.09	24.11	23.71	24.99	24.22	26.65	26.79	25.95	25.50	26.22
	C (saw timber)	8.70	8.71	8.56	9.03	8.75	10.47	10.52	10.19	10.01	10.30
White birch	A (peeling)	41.90	40.74	39.41	39.09	40.29	43.20	43.53	43.77	42.58	43.27
	B (saw timber)	16.27	16.28	16.01	16.88	16.36	17.01	17.10	16.57	16.27	16.74
	C (saw timber)	5.63	5.63	5.54	5.84	5.66	6.00	6.03	5.84	5.74	5.90
Sugar Maple	B (saw timber)	26.58	25.82	25.03	24.14	25.39	26.81	27.21	28.23	27.50	27.44
	C (saw timber)	6.28	6.10	5.92	5.70	6.00	6.41	6.51	6.75	6.58	6.56
Other hardwoods	B (saw timber)	10.27	10.28	10.11	10.65	10.33	11.41	11.47	11.11	10.92	11.23
	C (saw timber)	4.27	4.27	4.20	4.43	4.29	4.86	4.89	4.74	4.65	4.79
Poplars	B (saw timber, pulp)	5.30	5.69	8.38	11.35	7.68	8.82	11.48	9.03	7.08	9.10
All hardwoods except poplars	D, E (pulp)	2.95	3.11	3.49	4.19	3.44	4.09	4.59	4.11	3.70	4.12
All species	All qualities	11.30	10.85	10.91	11.45	11.13	11.30	12.48	13.59	13.08	12.61

1. First period, from April 1 to June 30; second period, from July 1 to September 30; third period, from October 1 to December 31; fourth period, from January 1 to March 31.

2. The letters A, B, C, D, E, F, G, H and I correspond to the quality assigned during wood grading based on species, diameter, length, and imperfections observed on the trunk and crosscuts.

5 Forest management

Forest dues (cont'd)

Market value of standing timber in public forests, by quality and mean provincial unit rates, 2005-2006 and 2006-2007 ($/m^3)

05.03.07

Species group	Quality [2]	Fiscal year (Period) [1]									
		2005-2006					2006-2007				
		1re pér.	2e pér.	3e pér.	4e pér.	Mean	1re pér.	2e pér.	3e pér.	4e pér.	Mean
Jack pine	F (pole)	18.44	18.44	18.49	18.44	18.45	17.69	17.67	18.29	18.92	18.14
Fir, spruce, jack pine, larch	B (saw timber, pulp)	14.40	14.39	13.92	13.44	14.04	12.91	12.63	12.03	11.21	12.19
White pine	G (saw timber)	27.48	27.32	27.22	26.29	27.08	25.08	25.01	25.01	25.03	25.03
	H (saw timber)	14.19	14.11	14.06	13.58	13.98	13.06	13.02	13.02	13.03	13.03
	I (saw timber)	11.09	11.03	10.99	10.61	10.93	9.93	9.90	9.90	9.91	9.91
Red pine	F (pole)	24.62	24.62	24.69	24.62	24.64	24.84	24.81	25.68	26.57	25.47
	G (saw timber)	19.98	19.86	19.78	19.11	19.68	18.29	18.23	18.23	18.25	18.25
	H (saw timber)	10.17	10.11	10.07	9.73	10.02	9.49	9.46	9.46	9.47	9.47
	I (saw timber)	8.32	8.27	8.24	7.96	8.20	7.50	7.47	7.47	7.48	7.48
Hemlock, thuja	B (saw timber)	3.43	3.40	3.27	3.15	3.31	3.07	2.98	2.80	2.55	2.85
White pine, red pine, hemlock, thuja	C (pulp)	2.06	2.05	1.97	1.89	1.99	1.88	1.82	1.71	1.56	1.74
Oak, cherry, walnut, hickory	A (peeling)	60.69	61.22	60.95	60.03	60.72	58.03	57.72	57.30	57.36	57.60
	B (saw timber)	33.78	33.22	33.22	33.12	33.34	28.91	28.88	28.82	28.85	28.86
	C (saw timber)	13.19	12.98	12.98	12.93	13.02	11.98	11.96	11.94	11.95	11.96
Yellow birch, ash,	A (peeling)	52.85	53.31	53.08	52.27	52.88	55.09	54.80	54.39	54.45	54.68
basswood, elm	B (saw timber)	23.10	22.72	22.72	22.65	22.80	22.33	22.31	22.26	22.29	22.30
	C (saw timber)	8.74	8.60	8.60	8.57	8.63	8.59	8.58	8.56	8.57	8.58
White birch	A (peeling)	37.74	38.07	37.90	37.33	37.76	41.60	41.38	41.07	41.12	41.29
	B (saw timber)	13.19	12.97	12.97	12.93	13.02	13.05	13.03	13.00	13.02	13.03
	C (saw timber)	4.80	4.72	4.72	4.70	4.74	4.65	4.64	4.63	4.64	4.64
Sugar maple	B (saw timber)	27.25	27.37	27.17	26.86	27.16	23.44	23.32	22.99	23.01	23.19
	C (saw timber)	6.43	6.46	6.41	6.34	6.41	5.26	5.23	5.16	5.17	5.21
Other hardwoods	B (saw timber)	10.48	10.30	10.30	10.27	10.34	9.93	9.92	9.90	9.91	9.91
	C (saw timber)	4.61	4.54	4.54	4.52	4.55	4.18	4.18	4.17	4.18	4.18
Poplars	B (saw timber, pulp)	6.70	6.57	5.46	6.70	6.36	4.56	4.04	3.36	3.09	3.76
All hardwoods (except poplars)	D, E (pulp)	3.24	3.21	3.06	3.21	3.18	2.53	2.47	2.39	2.37	2.44
All species	All qualities	12.99	12.96	12.48	12.18	12.65	11.44	11.17	10.62	9.94	10.79

1. First period, from April 1 to June 30; second period, from July 1 to September 30; third period, from October 1 to December 31; fourth period, from January 1 to March 31

2. The letters A, B, C, D, E, F, G, H and I correspond to the quality assigned during wood grading based on species, diameter, length, and imperfections observed on the trunk and crosscuts

5 Forest management

Seedling production

Seedling production (000s) by administrative region[1] and producer category

Administrative regions	Producers	2002-2003			2003-2004			2004-2005			2005-2006			2006-2007		
		Bareroot	Container	Total	Bareroot	Container	Total	Bareroot	Container	Total	Bareroot	Container	Total	Bareroot	Container	Total
01 Bas-Saint-Laurent	PUN[2]	7,338	9,257	16,595	7,128	6,632	13,760	8,000	7,668	15,668	6,811	7,418	14,229	6,290	8,298	14,588
	P&FC[3]	-	10,860	10,860	-	6,756	6,756	-	8,788	8,788	-	5,639	5,639	-	4,672	4,672
	Total	7,338	20,117	27,455	7,128	13,388	20,516	8,000	16,456	24,456	6,811	13,057	19,868	6,290	12,970	19,260
02 Saguenay—Lac-Saint-Jean	PUN	3,642	2,904	6,546	3,094	2,745	5,839	2,680	2,449	5,129	2,505	3,175	5,680	2,243	5,092	7,335
	P&FC		21,188	21,188	-	15,780	15,780	-	17,284	17,284	-	19,577	19,577	-	23,608	23,608
	Total	3,642	19,203	27,734	3,094	19,203	21,619	2,680	19,733	22,413	2,505	22,752	25,257	2,243	28,700	30,943
03 Capitale-Nationale	PUN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P&FC	-	6,014	6,014	-	5,697	5,697	-	4,917	4,917	-	5,347	5,347	-	6,591	6,591
	Total	-	6,014	6,014	-	5,697	5,697	-	4,917	4,917	-	5,347	5,347	-	6,591	6,591
04 Mauricie et 17 Centre-du-Québec	PUN	1,122	2,227	3,349	1,222	1,884	3,106	1,910	2,007	3,917	1,950	2,691	4,641	1,947	2,152	4,099
	P&FC		15,797	15,797		11,439	11,439		18,640	18,640		11,174	11,174		13,835	13,835
	Total	1,122	18,024	19,146	1,222	13,323	14,545	1,910	20,647	22,557	1,950	13,865	15,815	1,947	15,987	17,934
05 Estrie	PUN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P&FC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07 Outaouais	PUN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P&FC	-	6,439	6,439	-	3,087	3,087	-	3,719	3,719	-	2,860	2,860	-	3,214	3,214
	Total	-	6,439	6,439	-	3,087	3,087	-	3,719	3,719	-	2,860	2,860	-	3,214	3,214
08 Abitibi-Témiscamingue	PUN	1,785	5,917	7,702	1,789	3,566	5,355	1,038	4,354	5,392	925	3,812	4,737	612	7,019	7,631
	P&FC		24,320	24,320		22,289	22,289		27,294	27,294		25,350	25,350		38,927	38,927
	Total	1,785	30,237	32,022	1,789	25,855	27,644	1,038	31,648	32,686	925	29,162	30,087	612	45,946	46,558
09 Côte-Nord	PUN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P&FC	-	11,783	11,783	-	10,865	10,865	-	7,285	7,285	-	6,619	6,619	-	10,002	10,002
	Total	-	11,783	11,783	-	10,865	10,865	-	7,285	7,285	-	6,619	6,619	-	10,002	10,002
11 Gaspésie—Îles-de-la-Madeleine	PUN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P&FC	-	4,787	4,787	-	4,438	4,438	-	2,185	2,185	-	4,508	4,508	-	3,708	3,708
	Total	-	4,787	4,787	-	4,438	4,438	-	2,185	2,185	-	4,508	4,508	-	3,708	3,708
12 Chaudière-Appalaches	PUN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P&FC	2,291	5,384	7,675	1,080	3,917	4,997	-	4,083	4,083	-	1,535	1,535	-	1,663	1,663
	Total	2,291	5,384	7,675	1,080	3,917	4,997	-	4,083	4,083	-	1,535	1,535	-	1,663	1,663
14 Lanaudière	PUN	2,145	3,771	5,916	2,415	2,827	5,242	2,604	2,922	5,526	2,344	2,715	5,059	1,782	2,946	4,728
	P&FC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total	2,145	3,771	5,916	2,415	2,827	5,242	2,604	2,922	5,526	2,344	2,715	5,059	1,782	2,946	4,728
15 Laurentides	PUN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P&FC	-	12,533	12,533	-	18,806	18,806	-	6,168	6,168	-	10,992	10,992	-	12,180	12,180
	Total	-	12,533	12,533	-	18,806	18,806	-	6,168	6,168	-	10,992	10,992	-	12,180	12,180
Total	PUN	16,032	24,076	40,108	15,648	17,654	33,302	16,232	19,400	35,632	14,535	19,811	34,346	12,874	25,507	38,381
	P&FC	2,291	119,105	121,396	1,080	103,074	104,154	-	100,363	100,363	-	93,601	93,601	-	118,488	118,488
	Total	18,323	143,181	161,504	16,728	120,728	137,456	16,232	119,763	135,995	14,535	113,412	127,947	12,874	143,907	156,781

1. There is no seedling production in regions 06 (Montréal), 10 (Nord-du-Québec), 13 (Laval) and 16 (Montérégie).
2. PUN: Public nurseries.
3. P&FC: Private producers and forest companies.

5 Forest management

Summary of silvicultural treatments carried out

A) Public forests

35.14.01

Type of treatments		Area (2001-2002) [1]					Area (2002-2003) [1]				
		TSFMA		MRNF		Total	TSFMA [2]		MRNF [3]		Total
		(ha)	(%)	(ha)	(%)	(ha)	(ha)	(%)	(ha)	(%)	(ha)
Site preparation											
1) Scarifying		44,080r	100.0	13r	0.0	44,094r	44,253r	100.0			44,253r
2) Clearing		5,631r	99.8	13r	0.2	5,644r	6,445r	100.0			6,445r
3) Brushing		2r	4.8	40r	95.2	42r	234r	33.2	470r	66.8	704r
4) Harrowing											
5) Controlled burning		2r	100.0			2r					
6) Removal of residual stems		675r	45.3	815r	54.7	1,490r	710r	43.1	936r	56.9	1,646r
Total		**50,390r**	**98.3**	**882r**	**1.7**	**51,272r**	**51,641r**	**97.3**	**1,406r**	**2.7**	**53,047r**
Reforestation and seeding											
1) Planting	(ha)	42,911r	99.2	331r	0.8	43,242r	39,963r	99.2	303r	0.8	40,267r
	(Seedlings, million)	74r	99.1	1r	0.9	74r	71r	99.2	1r	0.8	72r
2) Reinforcement	(ha)	26,065r	99.4	161r	0.6	26,226r	26,572r	98.4	444r	1.6	27,016r
	(Seedlings, million)	24r	98.8	0r	1.2	24r	28r	96.5	1r	3.5	29r
3) Enrichment	(ha)	763r	100.0			763r	1,623r	100.0			1,623r
	(Seedlings, million)	0r	100.0			0r	1r	100.0			1r
4) Regeneration of SBBA [4]	Natural (ha)										
	Artificial (ha)	12,192r	100.0			12,192r	7,846r	100.0			7,846r
	(Seedlings, million)	12r	100.0			12r	9r	100.0			9r
5) Seeding	(ha)						16r				16r
Total	**(ha)**	**81,931r**	**99.4**	**492r**	**0.6**	**82,423r**	**76,020r**	**99.0**	**747r**	**1.0**	**76,767r**
	(Seedlings, million)	**110r**	**99.1**	**1r**	**0.9**	**111r**	**108r**	**98.5**	**2r**	**1.5**	**110r**
Noncommercial treatments											
1) Release (plantations)		17,413r	91.3	1,656r	8.7	19,068r	15,449r	89.6	1,785r	10.4	17,234r
2) Release (natural regeneration)		2,367r	92.5	193r	7.5	2,560r	3,235r	91.0	321r	9.0	3,556r
3) Pre-commercial thinning		83,245r	92.0	7,207r	8.0	90,452r	89,150r	95.7	3,999r	4.3	93,149r
4) Phytosanitary control									318r	100.0	318r
5) Fertilization											
6) Drainage		2,855r	100.0			2,855r	3,312r	100.0			3,312r
Total		**105,880r**	**92.1**	**9,056r**	**7.9**	**114,935r**	**111,146r**	**94.5**	**6,424r**	**5.5**	**117,770r**
Commercial treatments											
1) a) Cutting with protection of regeneration and soils		186,864r	100.0	20r	0.0	186,884r	179,632r	100.0			179,632r
b) Merchantable trees		2,027r	100.0			2,027r	2,689r	100.0			2,689r
c) Tall regeneration		64r	100.0			64r	416r	100.0			416r
d) With seed reserve		3,285r	100.0			3,285r	13,731r	100.0			13,731r
Subtotal (CPRS)		**192,240r**	**100.0**	**20r**	**0.0**	**192,260r**	**196,468r**	**100.0**			**196,468r**
2) Block cutting		26,403r	100.0			26,403r	38,342r	100.0			38,342r
3) a) Selection cutting		42,260r	100.0			42,260r	31,648r	100.0			31,648r
b) Pre-selection cutting		5,306r	100.0			5,306r	11,047r	100.0			11,047r
Subtotal		**47,566r**	**100.0**			**47,566r**	**42,694r**	**100.0**			**42,694r**
4) Improvement cutting		2,028r	100.0			2,028r	538r	100.0			538r
5) Shelterwood cutting		4,331r	99.9	4r	0.1	4,335r	5,304r	100.0			5,304r
6) Commercial thinning		7,304r	97.2	213r	2.8	7,517r	7,940r	97.4	209r	2.6	8,149r
7) a) Strip cutting		379r	100.0			379r	687r	100.0			687r
b) Patch cutting		67r	100.0			67r					
Subtotal		**446r**	**100.0**			**446r**	**687r**	**100.0**			**687r**
8) Harvesting in buffer strips		1,858r	100.0			1,858r	1,117r	100.0			1,117r
9) Other methods :											
a) Cutting for reforestation		12,192r	100.0			12,192r	7,846r	100.0			7,846r
b) Clear cutting - SBBA		7,871r	100.0			7,871r	8,997r	100.0			8,997r
- roads		9,093r	100.0			9,093r	9,089r	100.0			9,089r
c) Salvage cutting - special plans [5]		5,112r	100.0			5,112r	8,949r	100.0			8,949r
d) Other methods		7,747r	99.1	73r	0.9	7,820r	7,866r	99.1	66r	0.9	7,732r
Subtotal		**42,015r**	**99.8**	**73r**	**0.2**	**42,088r**	**42,545r**	**99.8**	**66r**	**0.2**	**42,611r**
10) Treatments carried out under the resource development program		1,072r	100.0			1,072r	1,375r	100.0			1,375r
Total		**325,262r**	**99.9**	**310r**	**0.1**	**325,573r**	**337,101r**	**99.9**	**275r**	**0.1**	**337,376r**
Grand total		**563,463r**	**98.1**	**10,740r**	**1.9**	**574,202r**	**576,108r**	**98.5**	**8,852r**	**1.5**	**584,960r**

1. Updated September 4, 2007.
2. TSFMA : Timber supply and forest management agreement holders.
3. MRNF : Ministère des Ressources naturelles et de la Faune.
4. SBBA : stacking, branching and bucking area.
5. Areas disturbed by natural disasters, etc.

5 Forest management

Summary of silvicultural treatments carried out (cont'd)

A) Public forests (cont'd)

05.14.07

Type of treatments		Area (2003-2004) [1]					Area (2004-2005) [1]				
		TSFMA		MRNF		Total	TSFMA [2]		MRNF [3]		Total
		(ha)	(%)	(ha)	(%)	(ha)	(ha)	(%)	(ha)	(%)	(ha)
Site preparation											
1) Scarifying		47,168r	100.0			47,168r	41,401r	100.0			41,401r
2) Clearing		5,753r	100.0			5,753r	4,011r	100.0			4,011r
3) Brushing		129r	18.1	582r	81.9	711r	181r	30.3	416r	69.7	597r
4) Controlled slash burning											
5) Controlled burning											
6) Removal of residual stems		1,198r	96.2	47r	3.8	1,245r	304r	81.1	71r	18.9	375r
Total		**54,247r**	**98.9**	**629r**	**1.1**	**54,876r**	**45,897r**	**99.0**	**487r**	**1.0**	**46,384r**
Reforestation and seeding											
1) Planting	(ha)	31,449r	100.0			31,449r	30,692r	100.0			30,692r
	(Seedlings, million)	56r	100.0			56r	55r	100.0			55r
2) Reinforcement	(ha)	26,127r	100.0			26,127r	21,364r	100.0			21,364r
	(Seedlings, million)	29r	100.0			29r	24r	100.0			24r
3) Enrichment	(ha)	2,010r	100.0			2,010r	1,500r	100.0			1,500r
	(Seedlings, million)	1r	100.0			1r	1r	100.0			1r
4) Regeneration of SBBA [4]	Natural (ha)										
	Artificial (ha)	8,325r	100.0			8,325r	6,590r	100.0			6,590r
	(Seedlings, million)	11r	100.0			11r	7r	100.0			7r
5) Seeding	(ha)	2,010r	100.0			2,010r	255r	100.0			255r
Total	**(ha)**	**69,921r**	**100.0**			**69,921r**	**60,401r**	**100.0**			**60,401r**
	(Seedlings, million)	**96r**	**100.0**			**96r**	**86r**	**100.0**			**86r**
Noncommercial treatments											
1) Release (plantations)		8,976r	89.6	1,042r	10.4	10,018r	10,487r	99.8	16r	0.2	10,503r
2) Release (natural regeneration)		2,315r	91.1	227r	8.9	2,542r	4,103r	100.0			4,103r
3) Pre-commercial thinning		94,890r	96.9	3,058r	3.1	97,948r	91,504r	98.5	1,374r	1.5	92,878r
4) Phytosanitary control				1,372r	100.0	1,372r	2r	0.9	216r	99.1	218r
5) Fertilization		99r	100.0			99r	211r	100.0			211r
6) Drainage		4,316r	100.0			4,316r	3,864r	100.0			3,864r
Total		**110,595r**	**95.1**	**5,699r**	**4.9**	**116,294r**	**110,171r**	**98.6**	**1,606r**	**1.4**	**111,777r**
Commercial treatments											
1) a) Cutting with protection of regeneration and soils		138,241r	100.0			138,241r	90,404r	100.0			90,404r
b) Merchantable trees		903r	100.0			903r	1,594r	100.0			1,594r
c) Tall regeneration		533r	100.0			533r	531r	100.0			531r
d) With seed reserve		2,041r	100.0			2,041r	1,076r	100.0			1,076r
Subtotal (CPRS)		**141,717r**	**100.0**			**141,717r**	**93,605r**	**100.0**			**93,605r**
2) Block cutting		71,052r	100.0			71,052r	119,962r	100.0			119,962r
3) a) Selection cutting		32,476r	100.0			32,476r	23,080r	100.0			23,080r
b) Pre-selection cutting		1,749r	100.0			1,749r	3,259r	100.0			3,259r
Subtotal		**34,225r**	**100.0**			**34,225r**	**26,338r**	**100.0**			**26,338r**
4) Improvement cutting		7r	100.0			7r	46r	100.0			46r
5) Shelterwood cutting		3,977r	100.0			3,977r	2,782r	100.0			2,782r
6) Commercial thinning		5,564r	97.0	173r	3.0	5,737r	6,719r	97.1	201r	2.9	6,920r
7) a) Strip cutting		514r	100.0			514r	550r	100.0			550r
b) Patch cutting											
Subtotal		**514r**	**100.0**			**514r**	**550r**	**100.0**			**550r**
8) Harvesting in buffer strips		973r	100.0			973r	1,424r	100.0			1,424r
9) Other methods :											
a) Cutting for reforestation		8,325r	100.0			8,325r	6,590r	100.0			6,590r
b) Clear cutting - SBBA		7,778r	100.0			7,778r	7,200r	100.0			7,200r
- Roads		7,653r	100.0			7,653r	6,573r	100.0			6,573r
c) Salvage cutting - special plans [5]		4,718r	100.0			4,718r	4,062r	100.0			4,062r
d) Other methods		6,329r	99.8	10r	0.2	6,339r	8,278r	99.7	22r	0.3	8,300r
Subtotal		**34,803r**	**100.0**	**10r**	**0.0**	**34,813r**	**32,702r**	**99.9**	**22r**	**0.1**	**32,724r**
10) Treatments carried out under the resource development program		746r	100.0			746r					
Total		**293,579r**	**99.9**	**183r**	**0.1**	**293,762r**	**284,130r**	**99.9**	**223r**	**0.1**	**284,353r**
Grand total		**528,342r**	**98.8**	**6,511r**	**1.2**	**534,853r**	**500,599r**	**99.5**	**2,316r**	**0.5**	**502,915r**

1. Updated September 4, 2007.
2. TSFMA : Timber supply and forest management agreement holders.
3. MRNF : Ministère des Ressources naturelles et de la Faune.
4. SBBA : stacking, branching and bucking area.
5. Areas disturbed by natural disasters, etc.

N.B. : The CPRS was approx. 42,000 ha short in 2003-2004 and 85,000 ha in 2004-2005.

5 Forest management

Summary of silvicultural treatments carried out (cont'd)

A) Public forests (cont'd)

05.14.03

Type of treatments		Area (2005-2006) [1]					Area (2006-2007) [1]				
		TSFMA [2]		MRNF [3]		Total	TSFMA [2]		MRNF [3]		Total
		(ha)	(%)	(ha)	(%)	(ha)	(ha)	(%)	(ha)	(%)	(ha)
Site preparation											
1) Scarifying		50,965p	100.0			50,965p	30,969p	100.0			30,969p
2) Clearing		4,027p	100.0			4,027p	3,876p	100.0			3,876p
3) Brushing											
4) Harrowing											
5) Controlled burning											
6) Removal of residual stems											
Total		**54,992p**	**100.0**			**54,992p**	**34,845p**	**100.0**			**34,845p**
Reforestation and seeding											
1) Planting	(ha)	40,401p	100.0			40,401p	39,471p	100.0			39,471p
	(Seedlings, million)	73p	100.0			73p	71p	100.0			71p
2) Reinforcement	(ha)	16,032p	100.0			16,032p	8,981p	100.0			8,981p
	(Seedlings, million)	24p	100.0			24p	13p	100.0			13p
3) Enrichment	(ha)	1,054p	100.0			1,054p	347p	100.0			347p
	(Seedlings, million)	0p	100.0			0p	0p	100.0			0p
4) Regeneration of SBBA [4]	Natural (ha)										
	Artificial (ha)	625p	100.0			625p					
	(Seedlings, million)	1p	100.0			1p					
5) Seeding	(ha)	343p	100.0			343p					
Total	**(ha)**	**58,455p**	**100.0**			**58,455p**	**48,798p**	**100.0**			**48,798p**
	(Seedlings, million)	**98p**	**100.0**			**98p**	**85p**	**100.0**			**85p**
Noncommercial treatments											
1) Release (plantations)		10,449p	100.0			10,449p	10,672p	100.0			10,672p
2) Release (natural regeneration)		2,624p	100.0			2,624p	1,818p	100.0			1,818p
3) Pre-commercial thinning		93,957p	99.4	535p	0.6	94,493p	76,945p	100.0			76,945p
4) Phytosanitary control				60p	100.0	60p					
5) Fertilization											
6) Drainage		4,858p	100.0			4,858p	2,762p	100.0			2,762p
Total		**111,889p**	**99.5**	**596p**	**0.5**	**112,484p**	**92,197p**	**100.0**			**92,197p**
Commercial treatments											
1) a) Cutting with protection of regeneration and soils		180,062p	99.9	200p	0.1	180,262p	180,062p	100.0			180,062p
b) Merchantable trees		2,037p	100.0			2,037p	2,037p	100.0			2,037p
c) Tall regeneration		64p	100.0			64p	64p	100.0			64p
d) With seed reserve		92p				92p					
Subtotal (CPRS)		**182,255p**	**99.9**	**200p**	**0.1**	**182,455p**	**182,163p**	**100.0**			**182,163p**
2) Block cutting		94,190p	100.0			94,190p	94,190p	100.0			94,190p
3) a) Selection cutting		15,246p	100.0			15,246p	1,937p	100.0			1,937p
b) Pre-selection cutting		1,771p	100.0			1,771p	79p	100.0			79p
Subtotal		**17,017p**	**100.0**			**17,017p**	**2,016p**	**100.0**			**2,016p**
4) Improvement cutting											
5) Shelterwood cutting		1,083p	100.0			1,083p	285p	100.0			285p
6) Commercial thinning		7,088p	100.0			7,088p	1,516p	100.0			1,516p
7) a) Strip cutting		139p	100.0			139p	128p	100.0			128p
b) Patch cutting											
Subtotal		**139p**	**100.0**			**139p**	**128p**	**100.0**			**128p**
8) Harvesting in buffer strips											
9) Other methods :											
a) Cutting for reforestation		675p	100.0			675p	800p	100.0			800p
b) Clear cutting - SBBA		2,867p	100.0			2,867p	3,000p	100.0			3,000p
- Roads		3,046p	100.0			3,046p	3,000p	100.0			3,000p
c) Salvage cutting - special plans [5]											
d) Other methods		3,031p	100.0			3,031p	3,030p	100.0			3,030p
Subtotal		**9,619p**	**100.0**			**9,619p**	**9,830p**	**100.0**			**9,830p**
10) Treatments carried out under the resource development program											
Total		**311,391p**	**99.9**	**200p**	**0.1**	**311,591p**	**290,128p**	**100.0**			**290,128p**
Grand total		**536,727p**	**99.9**	**795p**	**0.1**	**537,522p**	**465,968p**	**100.0**			**465,968p**

1. According to the state of sylvicultural treatments from 2005 and 2005 up to décember 18, 2007.
2. TSFMA : Timber supply and forest management agreement holders.
3. MRNF : Ministère des Ressources naturelles et de la Faune.
4. SBBA : stacking, branching and bucking area.
5. Areas disturbed by natural disasters, etc.

N.B. : The CPRS and the other cuts has been estimated. The treatments was approx. 35,000 ha short and 10 million seedlings.
The treatments was approx. 100,000 ha short and 20 million seedlings in 2006-2007.

5 Forest management

Summary of silvicultural treatments carried out (cont'd)

05.14.04

B) Private forests [1]

Type of treatments	Area (2002-2003)	Area (2003-2004)	Area (2004-2005) [2]	Area (2005-2006) [2]	Area (2006-2007) [2]
	(ha)	(ha)	(ha)	(ha)	(ha)
Site preparation					
1) Scarifying	1,059	676	609	542p	312p
2) Clearing	2,983	3,595	3,188	3,663p	3,416p
3) Ploughing and harrowing	288	220	164	193p	199p
4) Brushing					
- mechanical	3,278	3,127	2,955	2,680p	2,543p
- chemical					
5) Removal of residual stems	484	528	592	450p	456p
6) Other treatments	1,018	877	665	656p	642p
Total	**9,110**	**9,022**	**8,173**	**8,185p**	**7,568p**
Reforestation					
1) Planting	10,517	9,056	8,672	7,967p	7,961p
2) Reinforcement	1,269	1,368	1,193	1,109p	1,139p
3) Enrichment	174	252	216	159p	197p
Total	**11,959**	**10,675**	**10,082**	**9,235p**	**9,298p**
(Seedlings, million)	26	23	22	20r	20r
Noncommercial treatments					
1) Release (plantations)					
- mechanical	9,414	9,535	11,413	11,114p	11,743p
- chemical					
2) Release (natural regeneration)					
- mechanical	482	554	325	256p	349p
- chemical					
3) Pre-commercial thinning	5,587	5,011	6,013	5,745p	5,539p
4) Phytosanitary control	623	536	467	568p	777p
5) Drainage	1,530	1,203	825	514p	442p
Total	**17,635**	**16,839**	**19,043**	**18,197p**	**18,850p**
Commercial treatments					
1) Selection cutting	2,228	2,268	1,745	1,933p	2,114p
2) Shelterwood cutting	450	427	531	620p	1,307p
3) Strip and patch cutting	7	11	22	9p	24p
4) Commercial thinning	4,713	4,656	4,636	5,620p	6,283p
5) Other methods	2,596	2,473	4,932	5,236p	4,599p
Total	**9,994**	**9,835**	**11,866**	**13,418p**	**14,327p**
Grand total	**48,698**	**46,371**	**49,164**	**49,034p**	**50,043p**

1. All types of treatments are also carried out annually by woodlot owners with personal or business entitlement, beyond the scope of these subsidy programs. These treatments are not included in the present data.
2. The data include all of the programs that have been managed by agencies for private forest development (Example : PMVFP, specific expectations, employment creation programs, section 2, faunal projects, etc.)

Source : The private forest data are drawn from the regular program (PFDSP) to which the rexforêt progam is added for the fiscal years 2002-2003, 2003-2004, and 2004-2004

6 Use of forests for educational, leisure, research and experimental purposes

Highlights

Teaching and research forests (TRF), September 2007

06.00.01

Teaching and research forests (no.)	16
Area (ha, 000s)	38.7

N.B. : The Duchesnay Forest Station is now under the responsibility of SÉPAQ.

Experimental forests (EF), September 2007

Permanent (no.)	197
Temporary (no.)	410
Total (no.)	**607**
Area (ha, 000s)	24

Principal wildlife-related activities in 2000

	Participants (no.)	Expenditures ($M)	Jobs (no.)	Added value ($M)
Fishing [1]	813,600	1,047.8	9,754	457.9
Hunting [1]	408,000	308.4	3,322	157.3
Outdoor activities	2,350,600	1,269.5	15,656	700.7
Wildlife-related travel [1]	1,211,800	303.4	3,379	162.6

1. Non-residents' expenditures, jobs and added value are not included because they are not available.

7 Non-timber use

Non-timber forest products (NTFPs)

Highlights

Volume and value of large-container maple production, farm sales and home consumption

07.00.01

		2005r	2006p	2007p
Bulk syrup	(kg, 000s)	27,669	27,737	22,838
	($, 000s)	131,760	131,470	109,760
Direct sales by producers	(kg, 000s)	4,436	4,550	4,776
	($, 000s)	28,660	30,090	32,120
Producers' consumption	(kg, 000s)	372	372	372
	($, 000s)	2,400	2,460	2,500
Bulk syrup (stock)	(kg, 000s)	1,996	-	-
	($, 000s)	9,500	-	-
Marketed and self-sufficient production	(kg, 000s)	**34,473**	**32,659**	**27,986**
	($, 000s)	**162,820**	**164,020**	**144,380**
Total production	(kg, 000s)	**32,477**	**32,659**	**27,986**
	($, 000s)	**172,320**	**164,020**	**144,380**

Sources : Ministère de l'Agriculture, des Pêcheries et de l'Alimentation (October 23, 2007).
Institut de la statistique du Québec

Sale of wild blueberries from blueberry farms and forests in Québec

Year		Fresh fruit sales			Sales to processors			Total sales
		Farms	Forests	Total	Farms	Forests	Total	
2005	Quantity (t)	181.4	272.2	453.6	14,968.5	4,690.1	19,658.6	20,112.2
	Value ($, 000s)	500.0	870.0	1,370.0	26,400.0	10,340.0	36,740.0	38,110.0
2006	Quantity (t)	864.1	408.2	1,272.3	24,040.4	6,803.9	30,844.3	32,116.6
	Value ($, 000s)	705.7	1,260.0	1,965.7	50,350.0	15,450.0	65,800.0	67,765.7

Sources : Ministère de l'Agriculture, des Pêcheries et de l'Alimentation du Québec.
Institut de la statistique du Québec

Bulk Christmas tree production

	2005		2006	
	Number	Value ($)	Number	Value ($)
Québec	19,200,000e	49,749,000e	21,879,000e	50,706,000e

Source : Background National Forestry Database Program, **Compendium of Canadian Forestry Statistics**, forest product sector.

Québec's essential oil industry

Year	Number of plants [1]	Imports [2] ($, 000s)	Exports [2] ($, 000s)	Re-Exports [2, 3] ($, 000s)
2005	12	228	30.8	0
2006	12	306	0.4	0

1. Directory of essential oil producers in Québec (**Essential oils**: *3771.016*).
2. Statistics Canada – SH330130 – **Essential oils.**
3. "Re-Export" means export of merchandise produced from imported raw materials

8 Logging

Highlights

Economic indicators for the Québec forestry and logging industry (NAICS 113)

08.00.01

	2004	2005
Total jobs (no.)	11,418	11,965
Total salaries and wages ($, 000s)	529,478	534,520
Total revenue ($, 000s)	2,858,448	2,964,431
Capital expenditures and repairs ($, 000s)	154,000	164,600

Sources : Statistics Canada : 61-205, 61-206 and CANSIM.

9 Timber use

Highlights

09.00.01

Consumption of Québec's primary wood Processing plants in 2006 (m^3, 000s)

By species	
• FSPL	49,867
• Other softwoods	1,785
• Poplars	5,041
• Hardwoods	8,499
• **Total**	**65,192**
By type of timber use	
• Roundwood	40,118
• Chips	17,048
• Sawdust, shavings, wood residues and bark	8,026
• **Total**	**65,192**
By source	
• Public forests	27,577
• Private forests	7,049
• Exchange between mills	22,577
• Outside Québec	7,989
• **Total**	**65,192**
By product	
• Pulp and paper	22,275
• Saw timber	32,243
• Peelers	355
• Panelboard	5,961
• Other	4,358
• **Total**	**65,192**

Balance of Québec's bark in 2006 (BDMT, 000s)

Estimated production	3,265
Use	3,355
Projects [1]	(90)

1. Steam boiler, pyrolysis, electricity generation and cogeneration projects.

Trade with markets outside Québec in 2006 (m^3, 000s)

Region or country	Receipts	Shipments
Ontario		
• Softwoods	942.6	276.3
• Hardwoods	1,232.5	11.4
Other provinces		
• Softwoods	721.9	732.3
• Hardwoods	315.8	51.4
United States and other countries		
• Softwoods	2,868.5	907.2
• Hardwoods	1,907.3	64.8
Total		
• **Softwoods**	**4,532.9**	**1,915.7**
• **Hardwoods**	**3,455.7**	**127.6**

Principal products of Québec's primary wood processing plants

	2006
Pulp destined for sale (BDMT)	1,655,187
Paper (BDMT)	6,537,564
Paperboard (BDMT)	1,560,196
Insulation board (mt)	73,921
Particle board (m^3)	3,798,332
Veneer (m^2)	86,535,054
Shingles (squares)	591,200
Poles (units)	39,855
Mulching material (BDMT)	9,279
Charcoal (mt)	7,217
Saw timber (bd ft, 000s)	7,243,496
Other products (bd ft, 000s)[1]	107,607

1. Other products: fuel pellets, electricity, turning and shaping, laths, etc.

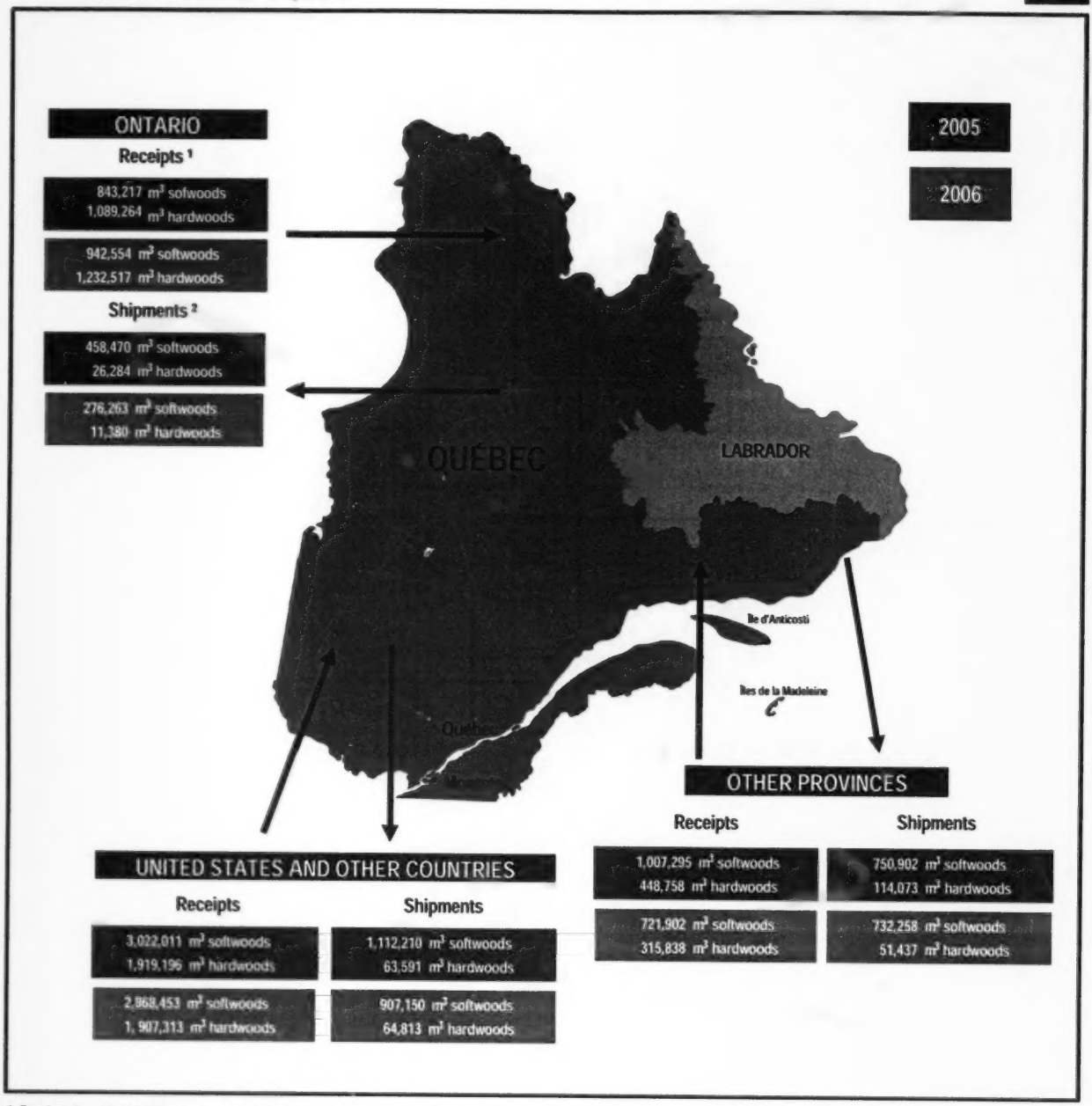
FSPL chip stocks at Québec's sawmills

	December 1999	December 2006
FSPL chips (BDMT, 000s)	81.1	174.6

9 Timber use

Trade with markets outside Québec

09.05.01



1. Receipts of roundwood, chips, sawdust and bark from outside Québec.
2. Shipments of chips, sawdust and bark outside Québec, estimated destination breakdown.

Source : Forestry Register, Division de l'évaluation de la demande, DDIPF, ministère des Ressources naturelles et de la Faune.

10 Wood industries

Highlights

Québec's primary wood processing plants in 2006

Lumber	379
Pulp and paper [1]	34
Veneer and plywood	13
Particle board	12
Wood turning and shaping	6
Energy production and cogeneration [2]	20
Other	3
Total	**467**

1. The remaining 27 pulp, paper and paperboard mills do not consume round-wood, chips, sawdust or shavings.
2. Mills producing electricity, pellets and fuel chips.

Source : Forestry Register, Ministère des Ressources naturelles et de la Faune.

Establishments by wood processing groups and sub-groups in 2005

Wood product manufacturing	735
Paper manufacturing	206
Total	**941**

Source : Statistics Canada (According to the annual report on logging and manufacturing).

Economic indicators for Québec's wood products industry (NAICS 321) in 2005

Jobs (no.)	37,407
Salaries and wages ($, 000s)	1,422,924
Value of shipments and other revenue ($, 000s)	9,833,826
Value added [1] to total activity ($, 000s)	4,005,275
Capital expenditures and repairs ($, 000s)	680,300

1. The value added to total activity has been estimated.

Sources : Statistics Canada (According to the annual report on logging and manufacturing).
Institut de la statistique du Québec, Investissements privés et publics au Québec

Québec's lumber production (m^3, 000s)

2003	• Softwoods	18,894
	• Hardwoods	1,083
2004	• Softwoods	19,414
	• Hardwoods	1,112
2005	• Softwoods	17,599
	• Hardwoods	1,008
2006	• Softwoods	16,302
	• Hardwoods	934
2007	• Softwoods	13,798
	• Hardwoods	791

Source: Statistics Canada: 35-003.

Source of wood used by Québec's sawmills in 2006 (m3, 000s)

Public forests	23,446.0
Private forests	4,276.9
Other mills	45.2
Outside Québec	4,474.9
Total	**32,243.0**

Source : Forestry Register, Ministère des Ressources naturelles et de la Faune.

Joint production of Québec's sawmills in 2006 (BDMT, 000s)

Chips	6,501
Sawdust and shavings	1,855
Bark	2,465
Total	**10,821**

Source : Forestry Register, Ministère des Ressources naturelles et de la Faune.

Québec's lumber shipments in 2006 (m^3, 000s)

Softwoods	14,167.2
Hardwoods	1,572.5
Total	**15,739.7**

Source : Forestry Register, Ministère des Ressources naturelles et de la Faune.

Destination of Québec's lumber shipments (%)

	2005		2006	
	Softwoods	Hardwoods	Softwoods	Hardwoods
Canada	52.7	55.5	54.1	59.0
United States	47.0	32.7	45.3	27.0
Overseas	0.3	11.8	0.6	14.0
Total	**100.0**	**100.0**	**100.0**	**100.0**

Sources : Statistics Canada and Ministère des Ressources naturelles et de la Faune du Québec (**Forestry register**).

10 Wood industries
Highlights (cont'd)

Economic indicators for Québec's sawmills and wood preservation industries (NAICS 32111) in 2005

Jobs (no.)	15,564
Salaries and wages ($, 000s)	641,823
Value of shipments and other revenue ($, 000s)	4,560,123
Value added [1] to total activity ($, 000s)	1,594,227
Capital expenditures and repairs ($, 000s)	..

1. The value added to the total activity has been estimated.

Economic indicators of Québec's sawmills, excluding shingle mills (NAICS 321111) in 2005

Jobs (no.)	14,572
Salaries and wages ($, 000s)	607,214
Value of shipments and other revenue ($, 000s)	4,343,827
Value added [1] to total activity ($, 000s)	1,512,104
Capital expenditures and repairs ($, 000s)	..

1. The value added to the total activity has been estimated.
Sources : Statistics Canada (According to the annual report on logging and manufacturing).
Institut de la statistique du Québec, Investissements privés et publics au Québec

Volume and value of Québec's lumber exports by destination in 2006

	Volume (m^3, 000s)	Value ($, millions)
United Stated and Mexico	7,687.2	1,284.5
Europe	108.3	105.3
Middle East and Africa	87.1	40.5
Asia and Oceania	69.5	49.6
Central and South America	9.6	3.6
Total	**7,961.7**	**1,483.5**

Source : Institut de la statistique du Québec.

Economic indicators for Québec's veneer, plywood and reconstituted wood industry (NAICS 3212) in 2005

Jobs (no.)	6,636
Salaries and wages ($, 000s)	272,865
Value of shipments and other revenue ($, 000s)	2,194,173
Value added [1] to total activity ($, 000s)	1,012,697
Capital expenditures and repairs ($, 000s)	..

1. The value added to the total activity has been estimated.
Source : Statistics Canada (According to the annual report on logging and manufacturing).

Economic indicators for Québec's particle board industry

	2006	2007
Jobs (no.)	2,295	2,162
Mills (no.)	14	14
Production capacity (m^3, 000s/year)	4,727	4,252
Capital expenditures and repairs ($, 000s)	..	..

Sources : Ministère des Ressources naturelles et de la Faune, Direction du développement de l'industrie des produits forestières (internal compilation).

Economic indicators for Québec's waferboard industry (NAICS 321217) [1] in 2005

Jobs (no.)	779
Salaries and wages ($, 000s)	43,928
Value of shipments and other revenue ($, 000s)	567,345
Value added [2] to total activity ($, 000s)	304,831

1. NAICS 321217 corresponds to the oriented strand board (OSB) industry.
2. The value added to the total activity has been estimated.
Source : Statistics Canada (According to the annual report on logging and manufacturing).

Québec's balance of trade [1] in the wood products sector [2] ($, million)

Wood, charcoal and wood products	Exports	Imports	Balance of trade
2004	4,685.2	992.0	3,693.2
2005	4,296.2	1,000.7	3,295.5
2006	3,639.9	981.6	2,658.3

1. Balance of trade of commercial goods with international destinations.
2. Product descriptors consistent with the Harmonized Commodity Description and Coding System (World Customs Organization)
Source : Institut de la statistique du Québec, according to the Standard Classification of Goods

Québec's balance of trade [1] in the wood products sector [2] ($, million)

Wood product manufacturing (NAICS 321)	Exports	Imports	Balance of trade
2004	4,588.3	611.7	3,976.6
2005	4,201.2	632.0	3,569.2
2006	3,548.1	635.9	2,912.2

1. Balance of trade of commercial goods with international destinations.
2. According to NAICS
Source : Institut de la statistique du Québec.

10 Wood industries

Highlights

Québec's primary wood processing plants in 2006

Lumber	379
Pulp and paper [1]	34
Veneer and plywood	13
Particle board	12
Wood turning and shaping	6
Energy production and cogeneration [2]	20
Other	3
Total	**467**

1. The remaining 27 pulp, paper and paperboard mills do not consume round-wood, chips, sawdust or shavings.
2. Mills producing electricity, pellets and fuel chips.

Source : Forestry Register, Ministère des Ressources naturelles et de la Faune.

Establishments by wood processing groups and sub-groups (including furniture and printing) in 2005

Wood product manufacturing	735
Furniture and related product manufacturing	659
Paper manufacturing	206
Printing and related support activities	439
Total	**2,039**

Source : Statistics Canada (According to the annual report on logging and manufacturing).

Economic indicators for Québec's wood products industry (NAICS 321) in 2005

Jobs (no.)	37,407
Salaries and wages ($, 000s)	1,422,924
Value of shipments and other revenue ($, 000s)	9,833,826
Value added [1] to total activity ($, 000s)	4,005,275
Capital expenditures and repairs ($, 000s)	680,300

1. The value added to the total activity has been estimated.

Sources : Statistics Canada (According to the annual report on logging and manufacturing).
Institut de la statistique du Québec, Investissements privés et publics au Québec

Economic indicators for Québec's furniture and related product manufacturing industry (NAICS 337) in 2005

Jobs (no.)	30,916
Salaries and wages ($, 000s)	990,124
Value of shipments and other revenue ($, 000s)	3,807,651
Value added [1] to total activity ($, 000s)	2,079,622
Capital expenditures and repairs ($, 000s)	106,700

1. The value added to the total activity has been estimated.

Source : Statistics Canada (According to the annual report on logging and manufacturing).

Québec's lumber production (m^3, 000s)

2003	• Softwoods	18,894
	• Hardwoods	1,083
2004	• Softwoods	19,414
	• Hardwoods	1,112
2005	• Softwoods	17,599
	• Hardwoods	1,008
2006	• Softwoods	16,302
	• Hardwoods	934
2007	• Softwoods	13,798
	• Hardwoods	791

Source : Statistics Canada : 35-003.

Québec's furniture and related product production industry (NAICS 337) ($, 000s)

2002	4,135,690
2003	4,087,732
2004	4,068,224
2005	4,197,082

Source : Institut de la statistique du Québec (principal statistics on the total activity)

Source of wood used by Québec's sawmills in 2006 (m3, 000s)

Public forests	23,446.0
Private forests	4,276.9
Other mills	45.2
Outside Québec	4,474.9
Total	**32,243.0**

Source : Forestry Register, Ministère des Ressources naturelles et de la Faune.

Joint production of Québec's sawmills in 2006 (BDMT, 000s)

Chips	6,501
Sawdust and shavings	1,855
Bark	2,465
Total	**10,821**

Source : Forestry Register, Ministère des Ressources naturelles et de la Faune.

Québec's lumber shipments in 2006 (m^3, 000s)

Softwoods	14,167.2
Hardwoods	1,572.5
Total	**15,739.7**

Source : Forestry Register, Ministère des Ressources naturelles et de la Faune.

10 Wood industries
Highlights (cont'd)

Destination of Québec's lumber shipments in 2006 (%)

	Softwoods	Hardwoods
Canada	54.1	59.0
United States	45.3	27.0
Overseas	0.6	14.0
Total	**100.0**	**100.0**

Source : Statistics Canada and Ministère des Ressources naturelles et de la Faune du Québec (**Forestry register**).

Economic indicators for Québec's sawmills and wood preservation industries (NAICS 32111) in 2005

Jobs (no.)	15,564
Salaries and wages ($, 000s)	641,823
Value of shipments and other revenue ($, 000s)	4,560,123
Value added [1] to total activity ($, 000s)	1,594,227
Capital expenditures and repairs ($, 000s)	..

1. The value added to the total activity has been estimated.
Sources : Statistics Canada (According to the annual report on logging and manufacturing).
Institut de la statistique du Québec, Investissements privés et publics au Québec

Economic indicators of Québec's sawmills, excluding shingle mills (NAICS 321111) in 2005

Jobs (no.)	14,572
Salaries and wages ($, 000s)	607,214
Value of shipments and other revenue ($, 000s)	4,343,827
Value added [1] to total activity ($, 000s)	1,512,104
Capital expenditures and repairs ($, 000s)	..

1. The value added to the total activity has been estimated.
Source : Statistics Canada (According to the annual report on logging and manufacturing).

Volume and value of Québec's lumber exports by destination in 2006

	Volume (m^3, 000s)	Value ($, millions)
United Stated and Mexico	7,687.2	1,284.5
Europe	108.3	105.3
Middle East and Africa	87.1	40.5
Asia and Oceania	69.5	49.6
Central and South America	9.6	3.6
Total	**7,961.7**	**1,483.5**

Source : Institut de la statistique du Québec.

Economic indicators for Québec's veneer, plywood and reconstituted wood industry (NAICS 3212) [1] in 2005

Jobs (no.)	6,636
Salaries and wages ($, 000s)	272,865
Value of shipments and other revenue ($, 000s)	2,194,173
Value added [1] to total activity ($, 000s)	1,012,697
Capital expenditures and repair ($, 000s)	..

1. The value added to the total activity has been estimated.
Source : Statistics Canada (According to the annual report on logging and manufacturing).

Economic indicators for Québec's particle board industry

	2006	2007
Jobs (no.)	2,295	2,162
Mills (no.)	14	14
Production capacity (m^3, 000s/year)	4,727	4,252
Capital expenditures and repairs ($, 000s)	..	..

Source : Ministère des Ressources naturelles et de la Faune, Direction du développement de l'industrie des produits forestières (internal compilation)

Economic indicators for Québec's waferboard industry (NAICS 321217) [1] in 2005

Jobs (no.)	779
Salaries and wages ($, 000s)	43,928
Value of shipments and other revenue ($, 000s)	567,345
Value added [2] to total activity ($, 000s)	304,831

1. NAICS 321217 corresponds to the oriented strand board (OSB) industry.
2. The value added to the total activity has been estimated.
Source : Statistics Canada (According to the annual report on logging and manufacturing).

Québec's balance of trade [1] in the furniture [2] manufacturing sector ($, million)

Furniture and related product manufacturing	Exports	Imports	Balance of trade
2004	1,707.7	564.3	1,143.4
2005	1,515.8	630.0	885.8
2006	1,368.9	743.1	625.8

1. Balance of trade of commercial goods with international destinations.
2. According to NAICS
Source : Institut de la statistique du Québec.

Québec's balance of trade [1] in the wood and furniture [2] manufacturing sector ($, million)

Wood product and furniture and related product manufacturing	Exports	Imports	Balance of trade
2004	6,296.0	1,176.0	5,120.0
2005	5,717.0	1,262.0	4,455.0
2006	4,917.0	1,379.0	3,538.0

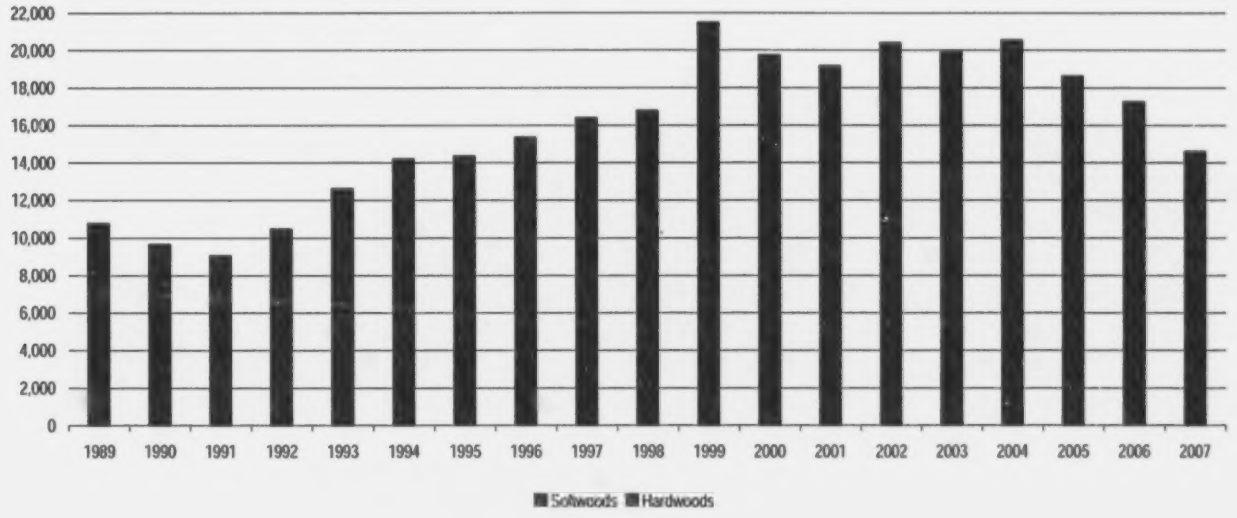
1. Balance of trade of commercial goods with international destinations.
2. According to NAICS
Source : Institut de la statistique du Québec.

10 Wood industries

Overview

Timber production in Québec (softwoods and hardwoods) (m^3, 000s)

10.01.09



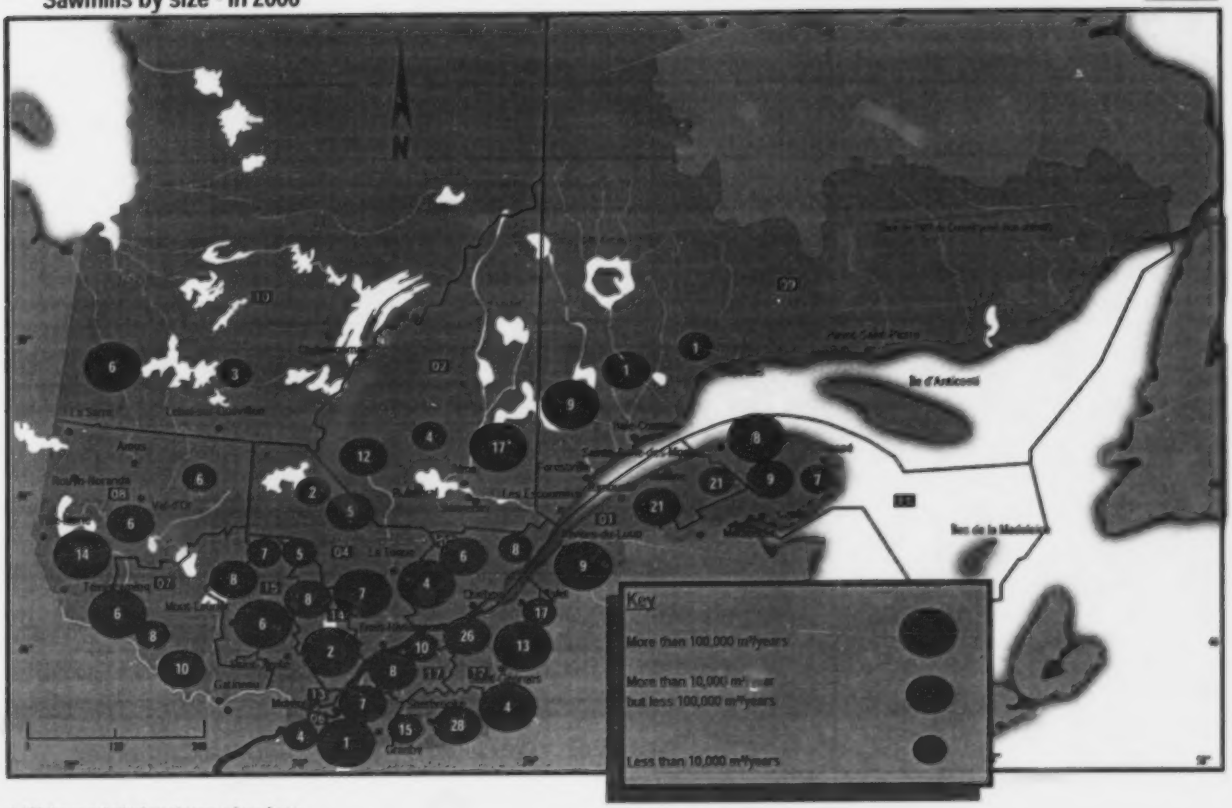
Sources: Statistics Canada: 35-002 (1987 to 1995) and 35-003.

10 Wood industries

The sawmill industry

Sawmills by size [1] in 2006

10.02.91



1. Mill size on authorized wood consumption volumes.

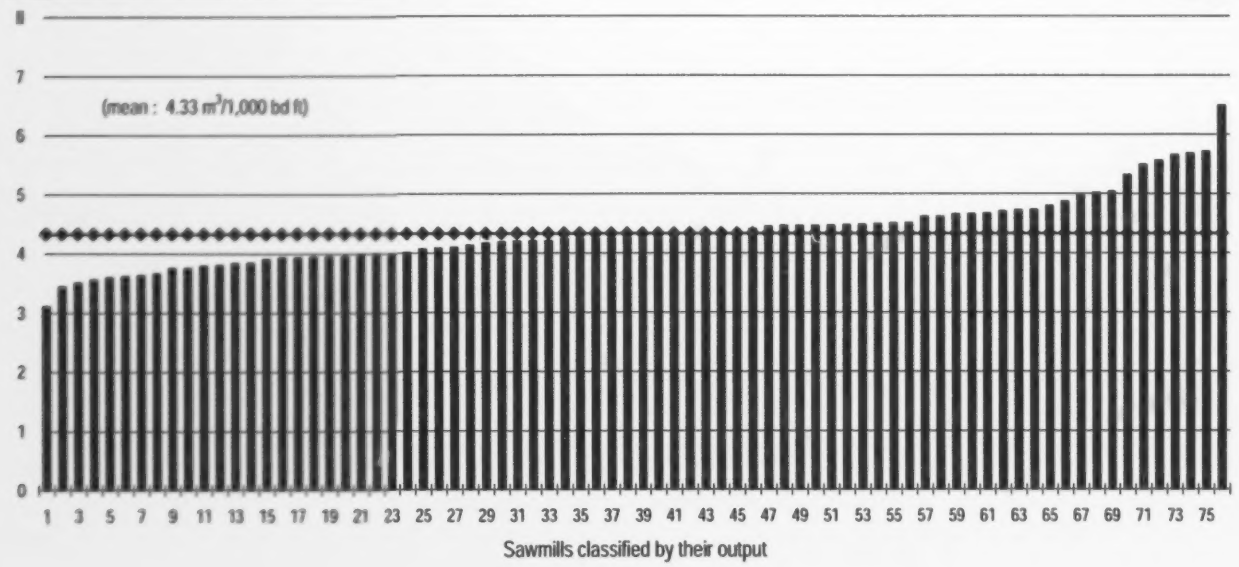
Source : Ministère des ressources naturelles et de la Faune, Direction du développement de l'industrie des produits forestiers (**Forestry register**).

The sawmill industry (cont'd)

Timber sawmill output (fir, spruce, jack pine, larch) (TSFMA [1] holders) in 2005

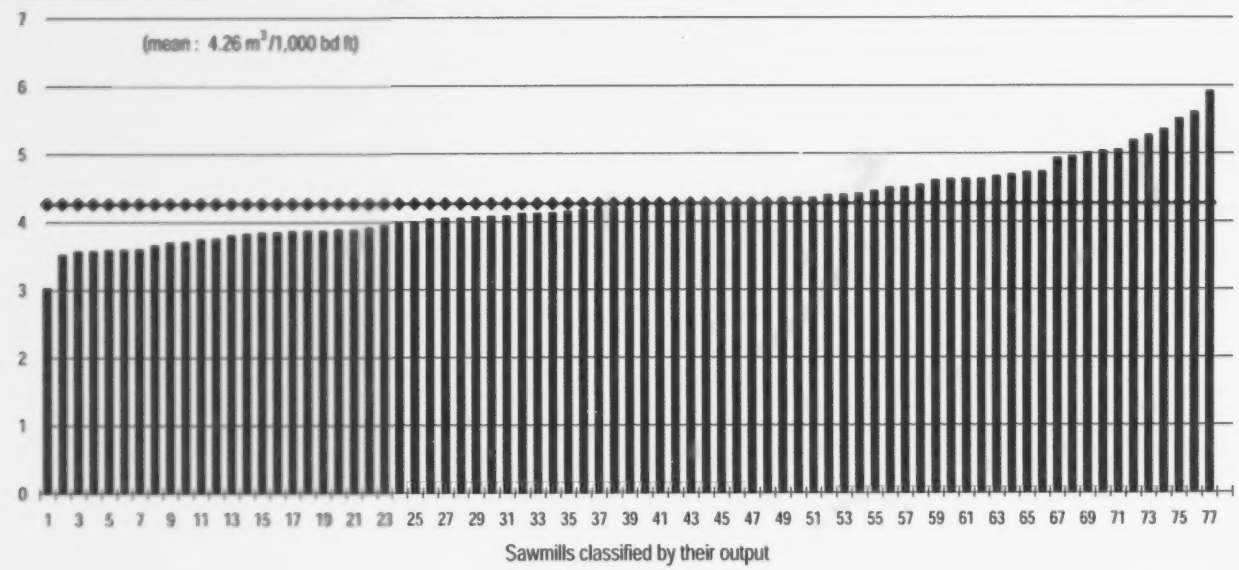
10 02 06

(m^3/1,000 bd ft)



Timber sawmill output (fir, spruce, jack pine, larch) (TSFMA [1] holders) in 2006

(m^3/1,000 bd ft)



1. TSFMA : timber supply and forest management agreement.

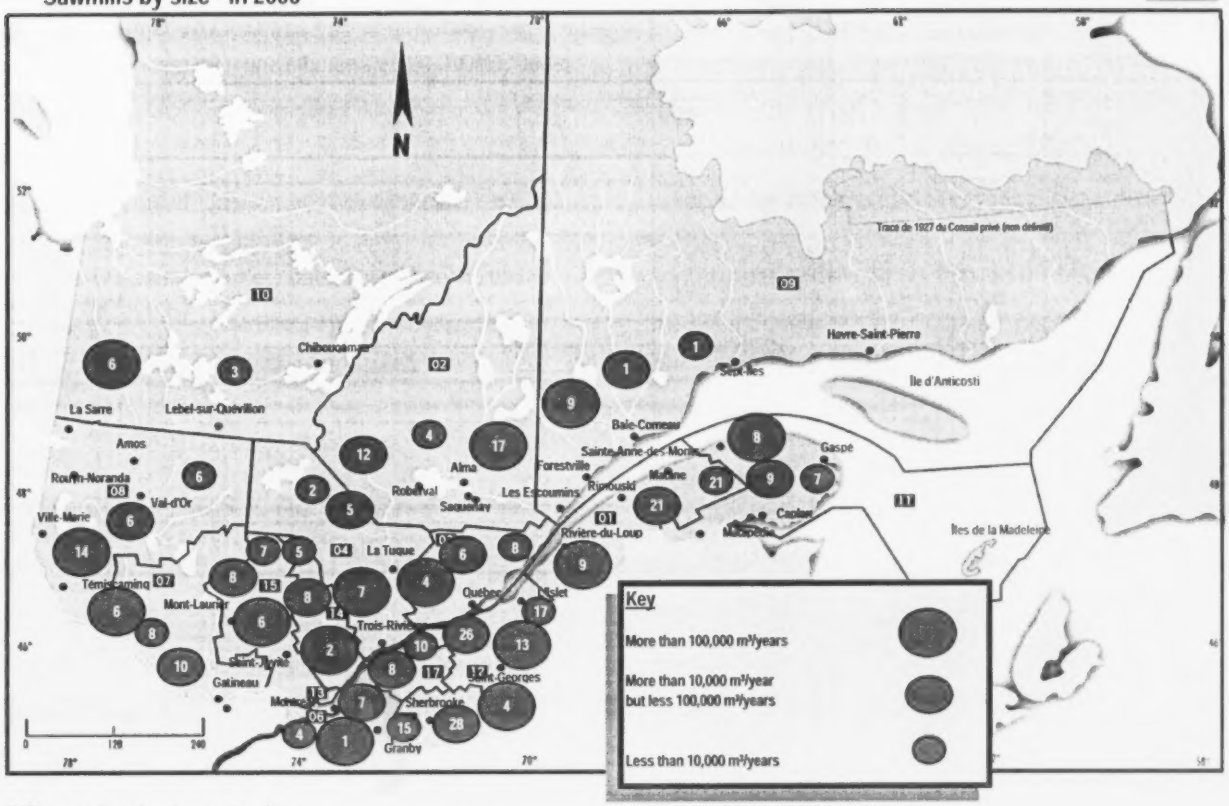
Source : Forestry register, Ministère des Ressources naturelles et de la Faune.

10 Wood industries

The sawmill industry

Sawmills by size [1] in 2006

10.02.01



1. Mill size on authorized wood consumption volumes.

Source : Ministère des ressources naturelles et de la Faune, Direction du développement de l'industrie des produits forestiers (**Forestry register**).

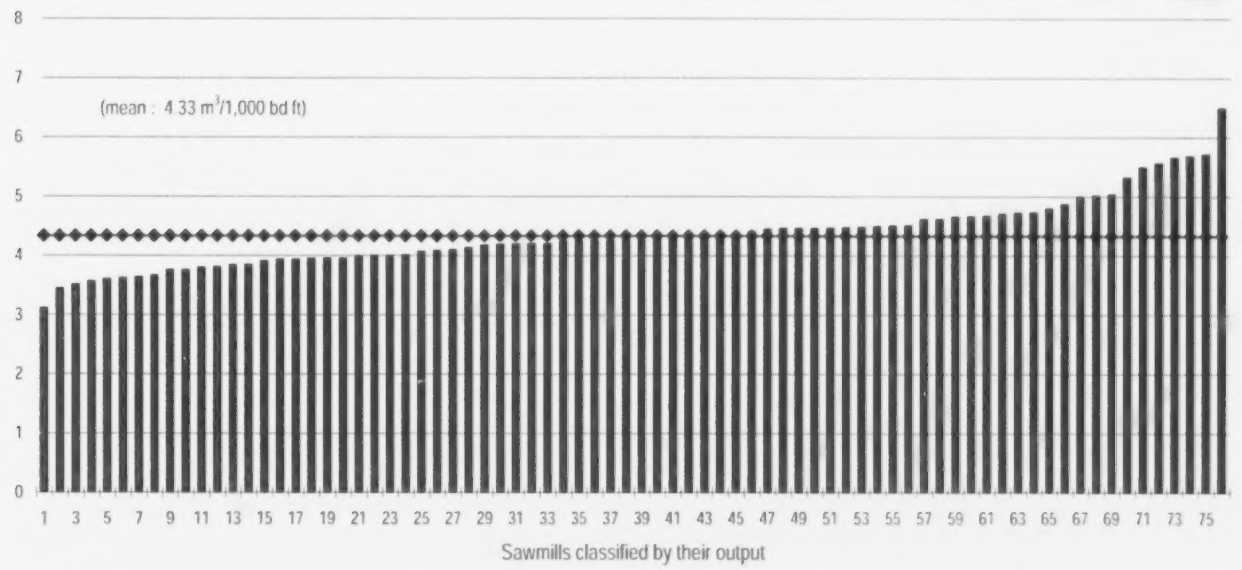
10 Wood industries

The sawmill industry (cont'd)

Timber sawmill output (fir, spruce, jack pine, larch) (TSFMA [1] holders) in 2005

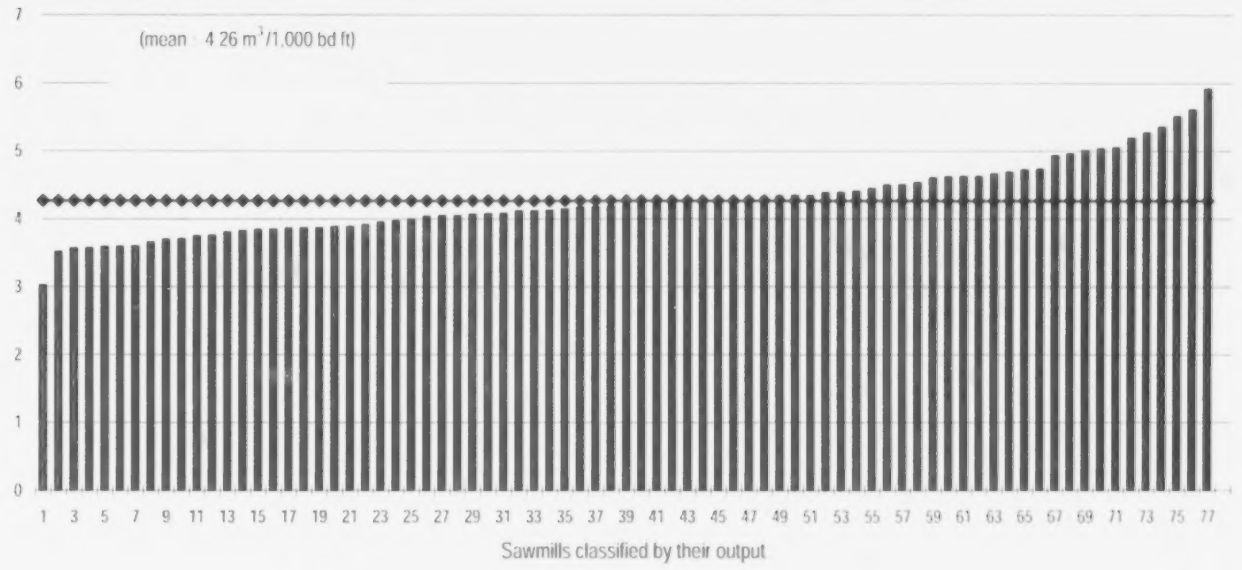
(m^3/1,000 bd ft)

10.02.06



Timber sawmill output (fir, spruce, jack pine, larch) (TSFMA [1] holders) in 2006

(m^3/1,000 bd ft)



1. TSFMA : timber supply and forest management agreement

Source : Forestry register, Ministère des Ressources naturelles et de la Faune

11 The pulp and paper industry
Highlights

Québec's pulp, paper and paperboard mills in June 2007

Mills consuming roundwood, chips, sawdust and shavings (primary processing mills)	34
Mills consuming market pulp and recycled fibres	23
Total	**57**

Source : Forestry Register, Ministère des Ressources naturelles et de la Faune.

Québec's pulp, paper and paperboard mills and production capacity in June 2007 [1]

	Mills (no.)	Production capacity (BDMT, 000s/year)
Market pulp	9	3,478.7
Newsprint (mechanical, supercalandered, etc.)	19	4,911.5
Paperboard packaging and others	10	1,452.8
Low-density board	2	110.0
Fine and specialty paper	3	904.8
Construction paperboard	1	18.0
Kraft papers (packing, carbon)	2	103.2
Sanitary tissue	13	668.8
Total	**57**	**11,547.8**

1. Classification by main product.
Source : Forestry Register, Ministère des Ressources naturelles et de la Faune.

Establishments by paper manufacturing industry sub-groups (NAICS 322)

	2005
Mechanical pulp mills	4
Chemical pulp mills	8
Paper (except newsprint) mills	25
Newsprint mills	17
Paperboard mills	17
Corrugated and solid paperboard box manufacturing	24
Folding paperboard box manufacturing	21
Other paperboard container manufacturing	17
Paper bag and coated and treated paper manufacturing	35
Stationery product manufacturing	16
Sanitary paper product manufacturing	13
All other converted paper product manufacturing	9
Total	**206**

Source : Statistics Canada (According to the annual report on logging and manufacturing).

Main timber supply sources for Québec's pulp and paper industry in 2006 (m^3, 000s)

Roundwood and chips (public forests)	1,763.1
Roundwood and chips (private forests)	1,718.4
Roundwood, chips, sawdust and shavings from Québec's mills	15,892.1
Roundwood, chips, sawdust and shavings from outside Québec	2,777.9
Total	**22,151.5**

Source : Forestry Register, Ministère des Ressources naturelles et de la Faune.

Raw materials used in Québec's pulp and paper mills in 2006 (BDMT, 000s)

Roundwood	1,933.0
Joint sawmill production	7,437.0
Recycled fibres and commercial pulp	3,037.0
Total	**12,407.0**

Source : Forestry Register, Ministère des Ressources naturelles et de la Faune.

Recycled fibre from paper and paperboard recycled by Québec's pulp and paper industry in 2006 (BDMT, 000s)

Recovered paper for de-inking	1,219.4
Recovered paper, without de-inking	200.1
Recovered paperboard for de-inking	751.7
Total	**2,171.3**

Source : Forestry Register, Ministère des Ressources naturelles et de la Faune.

Types of pulp produced by Québec's pulp and paper industry (mt, 000s)

	2005	2006
Sulphate pulp (Kraft)	2,205	1,924
Thermomechanical pulp	4,517	4,442
Recycled pulp	1,754	1,978
Other pulp	387	386
Total	**8,863**	**8,730**

Source : Forestry Register, Ministère des Ressources naturelles et de la Faune.

Québec's paper and paperboard production (mt, 000s)

	2005	2006
Newsprint	3,416	3,476
Printing and writing papers	3,149	2,975
Sanitary tissue	258	356
Other papers	143	212
Paperboard	1,651	1,652
Total	**8,716**	**8,672**

Source : Forestry Register, Ministère des Ressources naturelles et de la Faune.

Québec's share of Canadian paper and paperboard production (mt, 000s)

	2005		2006	
	Newsprint	Other paper and paperboard	Newsprint	Other paper and paperboard
Québec	3,421	4,871	3,281	5,321
Canada	7,769	11,904	7,122	11,143
Québec/Canada (%)	44.0	40.9	46.1	47.8

Sources : Conseil des industries forestières du Québec (CIFQ).
Conseil des produits des pâtes et papiers (CPPP).

Economic indicators for Québec's paper products industry (NAICS 322) in 2005

Jobs (no.)	26,927
Salaries and wages ($, 000s)	1,555,341
Value of shipments and other revenue ($, 000s)	10,880,782
Value added [1] to total activity ($, 000s)	4,365,009
Capital expenditures and repair ($, 000s)	729,400

1. The value added to the total activity has been estimated.
Source : Statistics Canada (According to the annual report on logging and manufacturing).

11 Pulp and paper industry
Highlights (cont'd)

Economic indicators for Québec's wood pulp, paper and paperboard industry (NAICS 3221) in 2005

Jobs (no.)	16,486
Salaries and wages ($, 000s)	1,032,380
Value of shipments and other revenue ($, 000s)	7,720,142
Value added [1] to total activity ($, 000s)	2,949,669
Capital expenditures and repairs ($, 000s)	..

1. The value added to the total activity has been estimated.
Source : Statistics Canada (According to the annual report on logging and manufacturing).

Destination of Québec's pulp and paper shipments in 2005 (mt, 000s)

	Canada	United States	Other countries	Total
Newsprint	476	2,208	728	3,412
Market pulp	275	358	754	1,387
Other paper and paperboard	1,365	3,316	206	4,887
Total	**2,116**	**5,882**	**1,688**	**9,686**

Source : Conseil des industries forestières du Québec (CIFQ).

Destination of Québec's pulp and paper shipments in 2006 (tm, 000s)

	Canada	United States	Other countries	Total
Newsprint	487	2,062	730	3,279
Market pulp	289	256	739	1,284
Other paper and paperboard	1,724	3,427	172	5,323
Total	**2,500**	**5,745**	**1,641**	**9,886**

Source : Conseil des industries forestières du Québec (CIFQ).

Relative share of Québec's pulp and paper exports ($, million)

	2004	2005	2006
Pulp and paper exports	7,264	7,401	7,495
Total exports	68,476	71,026	73,330
Relative share (%)	**10.6**	**10.4**	**10.2**

Sources : Statistics Canada : 65-003 and Institut de la statistique du Québec.

Share of Québec's newsprint exports on US market (mt, 000s)

	2004	2005	2006
Québec's shipments to the US	2,339	2,208	2,062p
US newsprint consumption	9,897	9,376	9,376p
Relative share (%)	**23.6**	**23.5**	**22.0p**

Source : Institut de la statistique du Québec and Conseil des produits des pâtes et papiers (CPPP).

Québec's balance of trade [1] in the pulp and paper sector [2] in 2006 ($, million)

	Exports	Imports	Balance of trade
Woodpulp or pulp derived from other cellulosic fibrous materials, paper or paperboard for recycling (waste and residues)	1,005.0	165.0	840.0
Paper or paperboard; cellulose products, in paper or paperboard	6,490.0	1,011.7	5,478.3
Total	**7,495.0**	**1,176.7**	**6,318.3**

1. Balance of trade of commercial goods with international destinations.
2. Product descriptors consistent with the Harmonized Commodity Description and Coding System (World Customs Organization).
Source : Institut de la statistique du Québec.

Québec's balance of trade [1] in the pulp and paper [2] products manufacturing sector in 2006 ($, million)

	Exports	Imports	Balance of trade
Pulp, paper and paperboard mills (NAICS 3221)	6,658.8	747.3	5,911.5
Converted paper product manufacturing (NAICS 3222)	707.1	315.7	391.4
Total	**7,365.9**	**1,063.0**	**6,302.9**

1. Balance of trade of commercial goods with international destinations.
2. According to NAICS.
Source : Institut de la statistique du Québec.

Environmental protection

	1981	2005	2005 / 1981
Total suspended solids (TSS) in mill effluent (kg/ton of pulp produced)	26.0	1.6	-94 %
Biochemical oxygen demand (BOD_5) in mill effluent (kg/ton of pulp produced)	59.1	0.9	-98 %
Water consumption by mills (m^3/ton of pulp produced)	121.0	49.0	-60 %

Source : Ministère du Développement durable, de l'Environnement et des Parcs.

11 The pulp and paper industry

Highlights

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Québec's pulp, paper and paperboard mills and production capacity in June 2007 [1]

	Mills (no.)	Production capacity (BDMT, 000s/year)
Market pulp	8	3,478.7
Newsprint (mechanical, supercalandered, etc.)	18	4,811.5
Paperboard packaging and others	10	1,452.8
Low-density board	2	110.0
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Sanitary paper product manufacturing	13
All other converted paper product manufacturing	9
Total	**206**

Source : Statistics Canada (According to the annual report on logging and manufacturing).

Establishments by printing and related support acitivities industry sub-groups (NAICS 323)

	2005
Commercial screen printing	26
Quick printing	10
Digital printing	14
Manifold business forms printing	32
Other printing	282
Support activities for printing	75
Total	**439**

Source : Statistics Canada (According to the annual report on logging and manufacturing).

Main timber supply sources for Québec's pulp and paper industry in 2006 (m^3, 000s)

Roundwood and chips (public forests)	1,763.1
Roundwood and chips (private forests)	1,718.4
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Québec's share of Canadian paper and paperboard production (mt, 000s)

	2005		2006	
	Newsprint	Other paper and paperboard	Newsprint	Other paper and paperboard
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Canada	7,769	11,904	7,122	11,143
Québec/Canada (%)	**44.0**	**40.9**	**46.1**	**47.8**

Sources : Conseil des industries forestières du Québec (CIFQ).
Conseil des produits des pâtes et papiers (CPPP).

11 Pulp and paper industry
Highlights (cont'd)

Québec's printing and related support activities production industry (NAICS 323) ($, 000s)

2002	3,214,765
2003	3,361,042
2004	3,462,989
2005	3,453,772

Source : Institut de la statistique du Québec (principal statistics on total activity).

Economic indicators for Québec's paper products industry (NAICS 322) in 2005

Jobs (no.)	26,927
Salaries and wages ($, 000s)	1,555,341
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Relative share of Québec's pulp and paper exports ($, million)

	2004	2005	2006
Pulp and paper exports	7,264	7,401	7,495
Total exports	68,476	71,026	73,330
Relative share (%)	10.6	10.4	10.2

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Share of Québec's newsprint exports on US market (mt, 000s)

	2004	2005	2006
Québec's shipments to the US	2,339	2,208	2,062p
US newsprint consumption	9,897	9,376	9,376p
Relative share (%)	23.6	23.5	22.0p

Sources : Institut de la statistique du Québec and Conseil des produits des pâtes et papiers (CPPP).

Economic indicators for Québec's printing and related support activities (NAICS 323) in 2005

Jobs (no.)	17,230
Salaries and wages ($, 000s)	744,894
Value of shipments and other revenue ($, 000s)	2,985,517
Value added [1] to total activity ($, 000s)	1,643,159
Capital expenditures and repair ($, 000s)	..

1. The value added to total activity has been estimated.
Source : Statistics Canada (According to the annual report on logging and manufacturing).

Québec's balance of trade [1] in the printing and related activities [2] sector in 2006 ($, million)

	Exports	Imports	Balance of trade
Printing and related support activities	502.0	145.7	356.3

1. Balance of trade of commercial goods with international destinations.
2. According to NAICS.
Source : Institut de la statistique du Québec.

Québec's balance of trade [1] in the pulp and paper, printing and related support activities manufacturing [2] in 2006 ($, million)

	Exports	Imports	Balance of trade
Pulp and paper manufacturing	7,365.9	1,863.0	6,302.9
Printing and related support activities	502.0	145.7	356.3
Total	7,867.9	1,208.7	6,659.2

1. Balance of trade of commercial goods with international destinations.
2. According to NAICS.
Source : Institut de la statistique du Québec.

Environmental protection

	1981	2005	2005 / 1981
Total suspended solids (TSS) in mill effluent (kg/ton of pulp produced)	26.0	1.6	-94 %
Biochemical oxygen demand (BOD_5) in mill effluent (kg/ton of pulp produced)	59.1	0.9	-98 %
Water consumption by mills (m^3/ton of pulp produced)	121.0	49.0	-60 %

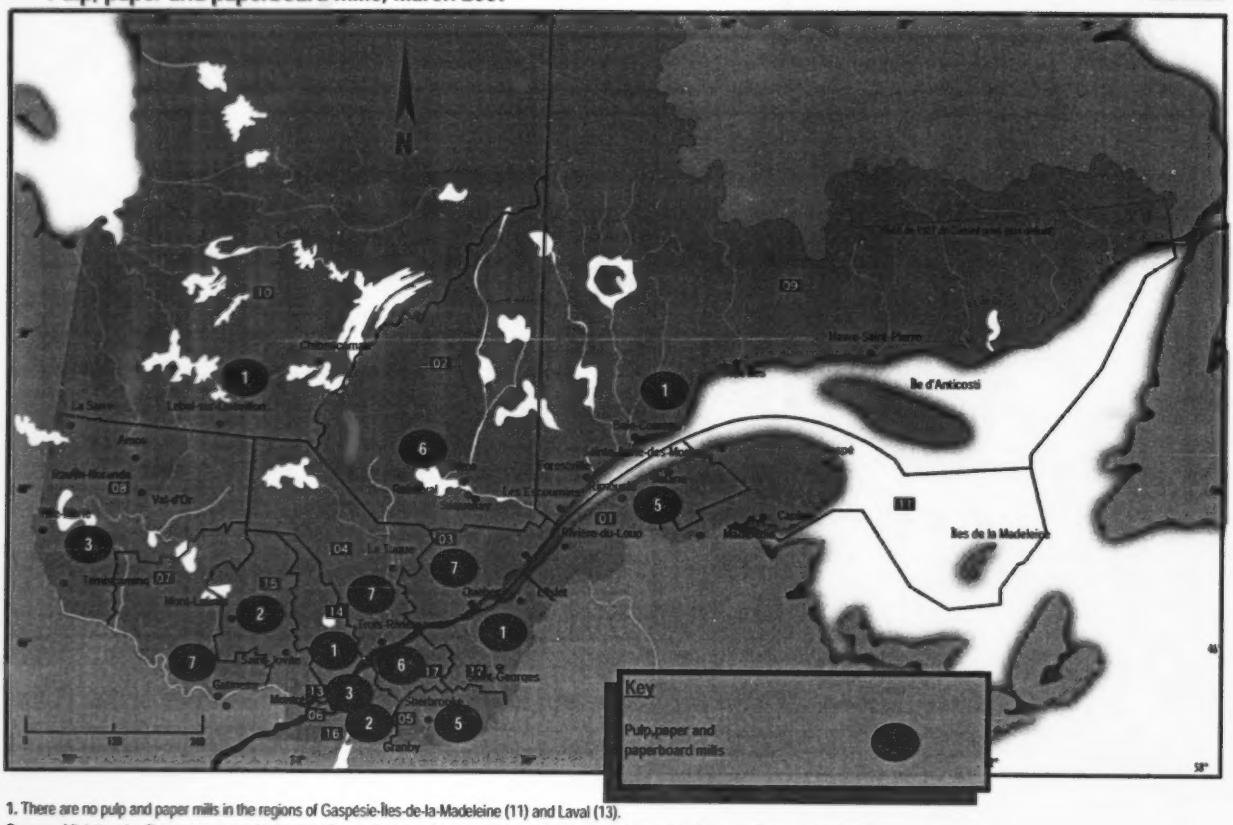
Source : Ministère du Développement durable, de l'Environnement et des Parcs.

11 The pulp and paper industry

Production capacity

Pulp, paper and paperboard mills, March 2007[1]

11.01.01



1. There are no pulp and paper mills in the regions of Gaspésie-Îles-de-la-Madeleine (11) and Laval (13).

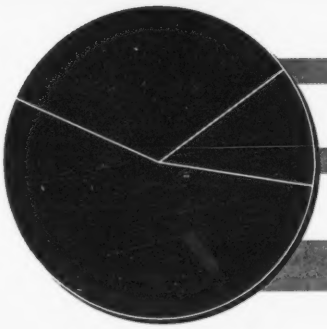
Source : Ministère des Ressources naturelles et de la Faune, Direction du développement de l'industrie des produits forestiers (**Forestry Register**).

11 The pulp and paper industry

Production

Breakdown of production by product

11.02.05



Production (%)			Products	Production (mt, 000s)		
2004	2005	2006		2004	2005	2006
36	35	33	Newsprint	3,488	3,421	3,281p
14	14	13	Market pulp	1,415	1,387	1,230p
50	50	54	Paperboard and paper other than newsprint	4,895	4,871	5,321p
100	100	100	Total	9,798	9,679	9,832p

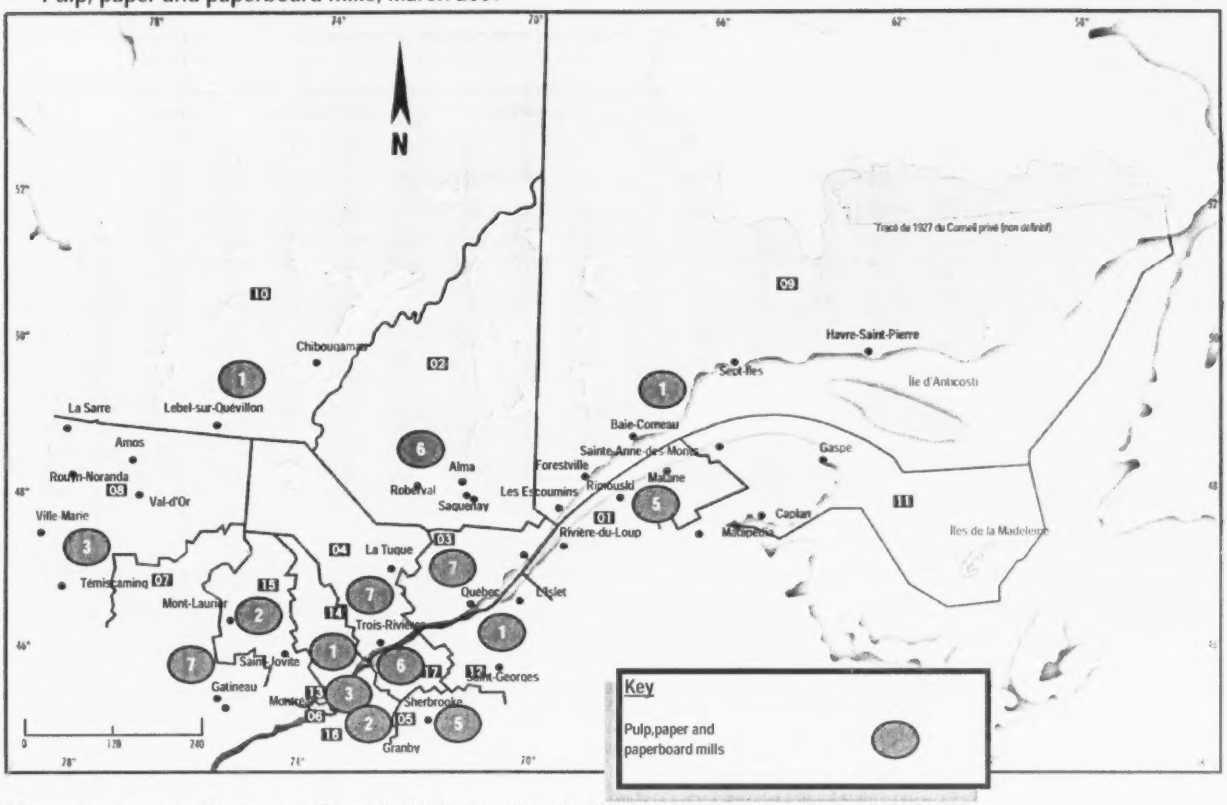
Source : Québec's Forest Industry Council (QFIC).

11 The pulp and paper industry

Production capacity

Pulp, paper and paperboard mills, March 2007[1]

11.01.01



1. There are no pulp and paper mills in the regions of Gaspesie-Iles-de-la-Madeleine (11) and Laval (13)

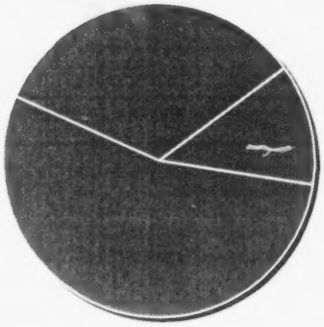
Source : Ministere des Ressources naturelles et de la Faune, Direction du developpement de l'industrie des produits forestiers (Forestry Register)

11 The pulp and paper industry

Production

Breakdown of production by product

11.02.05



Production (%)			Products	Production (mt, 000s)		
2004	2005	2006		2004	2005	2006
36	35	33	Newsprint	3,488	3,421	3,281p
14	14	13	Market pulp	1,415	1,387	1,230p
50	50	54	Paperboard and paper other than newsprint	4,895	4,871	5,321p
100	100	100	Total	9,798	9,679	9,832p

Source : Quebec's Forest Industry Council (QFIC)

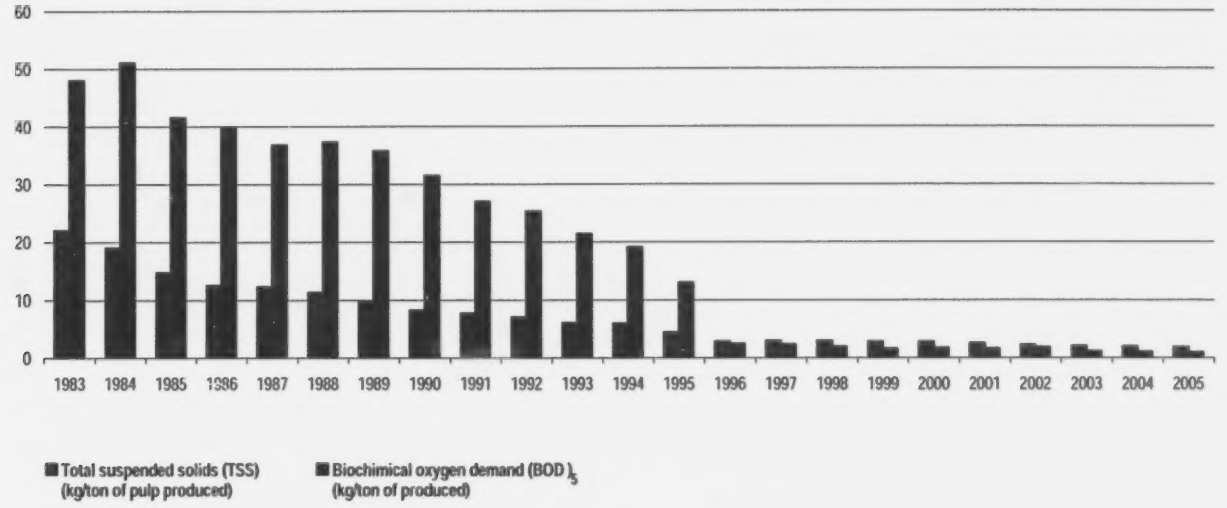
11 The pulp and paper industry

Environment

Trends in the quality of effluents from Québec's pulp and paper mills

(kg/ton of pulp produced)

11.06.02



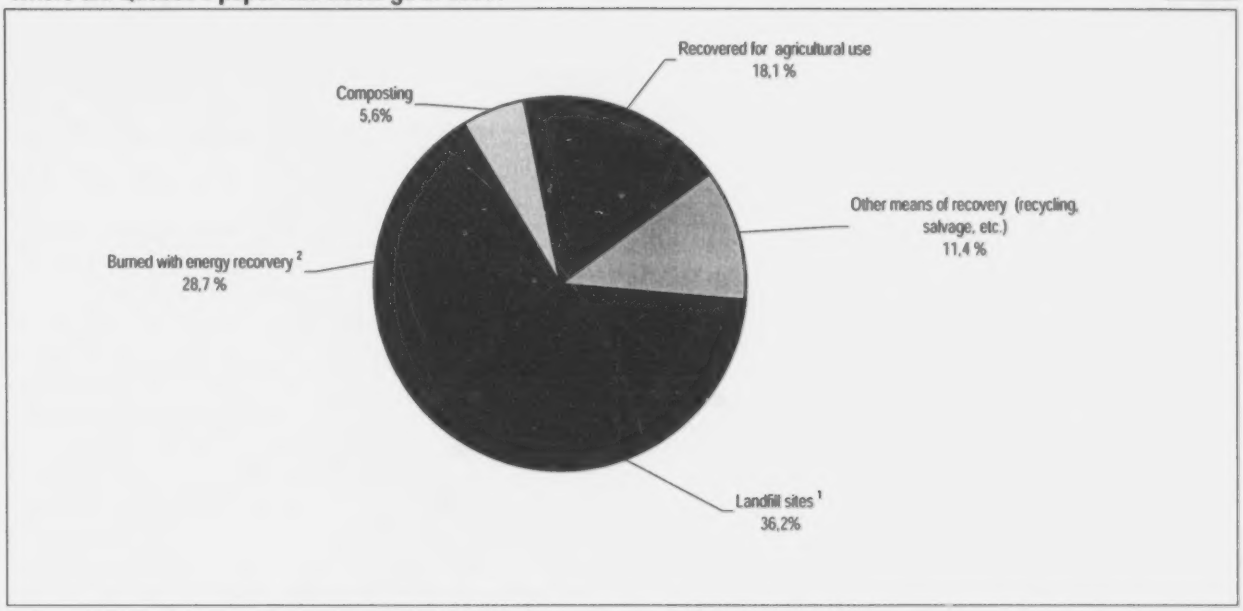
Source : Ministère du Développement durable, de l'Environnement et des Parcs.

11 The pulp and paper industry

Environment (cont'd)

Where did Québec's paper mill waste go in 2005?

11 06 05



1. Including sites set aside for production waste or solid waste landfill sites.
2. The MDDEP in environnemental account, pulp and paper sector (including 2005) says "energy recorvery" instead of "burned with energy recorvery"

Source : Ministère du Développement durable, de l'Environnement et des Parcs.

12 The forest sector in Québec's economy

Highlights

Economic indicators for Québec's forest products industry in 2005

	Total jobs (no.)	Total salaries and wages ($, 000s)	Value of shipments and other revenue ($, 000s)	Value added [1] to total activity ($, 000s)
Forestry and logging (NAICS 113)	11,985	534,520	2,984,431	1,243,347
Wood product manufacturing (NAICS 321)	37,407	1,422,924	9,833,829	4,085,275
Paper manufacturing (NAICS 322)	26,927	1,555,341	10,860,782	4,365,009
Total (forest sector)	76,299	3,512,785	23,679,039	9,813,631
Overall manufacturing activity in Québec	463,931	20,081,790	148,141,267	67,624,568

1. The value added to total activity has been estimated according to the following calculation : (Manufactured goods revenue + Total closing stocks – Total opening stocks – Energy and water supply costs – Supplies and material costs).

Sources : Statistics Canada (According to the annual report on logging and manufacturing of 2004) and Institut de la statistique du Québec.

Economic importance of Québec's forest product exports [1] ($, million)

	2005	2006
Raw wood, sawn wood and lumber	4,355.7	3,712.5
Pulp, paper and paperboard	7,380.7	7,484.6
Total (forest sector)	11,736.5	11,297.1

1. Based on customs data, according to the Standard Classification of Goods (SCG).

Québec's balance of trade [1] in the forest products sector and for all products [2] in 2006 ($, million)

	Imports	Exports	Balance of trade
Wood, wood charcoal and wood products	981.6	3,839.9	2,858.3
Pulp, paper and paperboard	1,179.7	7,495.0	6,315.3
Total (forest products sector)	2,198.3	11,134.9	8,976.6
All products	80,743.0	73,330.0	-7,413.0

1. Balance of trade of commercial goods with international destinations.
2. Product descriptors consistent with the Harmonized Commodity Description and Coding System (World Customs Organization).

Source : Institut de la statistique du Québec, according to the Standard Classification of Goods.

Gross domestic product (GDP) [1] at factor cost by economic activity [2] in 2006

	($, million)	(% change)
Forestry and logging (NAICS 113)	1,184.8	-10.9
Wood product manufacturing (NAICS 321)	3,227.3	-8.5
Paper manufacturing (NAICS 3221 and 3222)	3,123.7	-2.1
Economy as a whole	225,729.8	1.8

1. GDP by sector of activity measures the added value of each industrial sector, i.e. production value less intermediate consumption value.
2. In chained (1997) dollars.

Source : Statistics Canada.

Québec's balance of trade [1] in the forest products sector and for all products [2] in 2006 ($, million)

	Imports	Exports	Balance of trade
Wood product manufacturing	936.9	3,549.1	2,912.2
Wood pulp, paper and paperboard, converted paper product manufacturing mills	1,063.0	7,366.9	6,303.1
Total (forest products sector)	1,998.9	10,914.0	9,215.3
All products	80,734.0	73,330.0	-7,413.0

1. Balance of trade of commercial goods with international destinations.
2. According to (NAICS).

Source : Institut de la statistique du Québec.

Value of Québec's shipments, principal forest products ($, million)

	2006	2007
Sawmills	3,580	2,880
Other prefabricated millwork	1,150	837
Oriented strand board (OSB)	293	133
Particle board	589	408
Wooden doors and windows	823	639
Wooden boxes and pallets	188	169
Wooden structural products	365	329
Wooden kitchen cabinets	739	684
Wood pulp	1,063	932
Newsprint	3,784	2,720
Paperboard	881	779
Paperboard containers	1,274	1,009

Source : Institut de la statistique du Québec.

Financial indicators

	2006	2007
Average exchange rate (C$/US$)	1.134	1.074
Average exchange rate (C$/£)	2.089	2.148
Average exchange rate (C$/€)	1.424	1.480
Average exchange rate (C$/¥)	0.010	0.009
Average discount rate		
• Canada (%)	4.31	4.60
• United Statese (%)	4.98	5.02
Average prime rate		
• Canada (%)	5.91	6.10
• United States (%)	8.00	8.00
Stock market index (paper and forest product market prices, Toronto Exchange)	12,908.39	13,821.34

Source : Bank of Canada and http://www.djindexes.com.

Construction starts in Canada and the United States (no. of units)

	2006	2007
Canada	227,395	220,000
United States	1,800,900	1,354,800

Source : Société canadienne d'hypothèques et de logement and US Census Bureau.

Highlights (cont'd)

Average price of principal forest products

	2006	2007
Softwood lumber, Toronto green (composite price) (C$/1,000 bd ft)	326.3	274.4
Softwood lumber, Columbus dry (composite price) (C$/1,000 bd ft)	384.9	329.9
Hardwood lumber, Montreal exchange (weighted price) (C$/1,000 bd ft)	552.6	507.6
Plywood (12.5 mm) (C$/1,000 sq.ft.)	450.0	469.0
Oriented strand board (OSB) 7/16" (C$/1,000 sq.ft.)	250.0	183.0
Bleached softwood kraft pulp (US$/mt)	770.0	875.0
Bleached hardwood kraft pulp (US$/mt)	660.0	782.0
Newsprint (US$/mt)	660.0	585.0

Sources : Pribec, Madison's Canadian Lumber Reporter, Random Lengths Publications, RISI, Inc.

Estimated revenue from wood chips in Québec (C$/1 000 bd ft) [1]

2006	2007
124.0	122.0

1. Estimated revenue for every 1,000 bd ft produced.
Source : Ministère des Ressources naturelles et de la Faune (internal compilation).

Profits made by Canada's forest products industry

	2006	2007
Profits ($, million)	640	247
Profits/sales (%)	3.3	1.2

Source : Statistics Canada : 61-008.

Share of paper mill-integrated sawmills in authorized roundwood consumption

1987	38.1 % of total consumption
2006	48.2 % of total consumption

Source : Ministère des Ressources naturelles et de la Faune (internal compilation).

Budget allocated to the secteur des forêts and the secteur des services régionaux, MRNF [1], 2006-2007 [2] ($, 000s)

Research and development	18,167.6
Forestry policies and programs	118,889.5
Forest management planning and monitoring	87,438.9
Seedling production	49,915.9
Internal management and support	900.0
Forestry loans	500.0
Total	275,811.9

1. Ministère des Ressources naturelles et de la Faune.
2. Including Forestry Fund (financed jointly by the MRNF and the industry) : forestry research, forest surveys, seedling production, planning and control.
Source : Ministère des Ressources naturelles et de la Faune, Direction des ressources financières (internal compilation).

12 The forest sector in Québec's economy

Highlights

12 00 01 (2)

Economic indicators for Québec's forest products industry in 2005 (including furniture and printing)

	Total jobs (no.)	Total salaries and wages ($, 000s)	Value of shipments and other revenue ($, 000s)	Value added [1] to total activity ($, 000s)
Forestry and logging (NAICS 113)	11,985	534,520	2,964,431	1,243,347
Wood product manufacturing (NAICS 321)	37,407	1,422,924	9,833,826	4,005,275
Furniture and related product manufacturing (NAICS 337)	30,918	980,124	3,807,651	2,079,622
Paper manufacturing (NAICS 322)	26,927	1,555,341	10,880,782	4,385,009
Printing and related support activities (NAICS 323)	17,230	744,894	2,985,517	1,643,159
Total (forest sector)	124,445	5,247,803	30,472,207	13,336,412
Overall manufacturing activity in Québec	463,931	20,081,790	148,141,267	67,624,568

1. The value added to total activity has been estimated according to the following calculation : (Manufactured goods revenue + Total closing stocks – Total opening stocks – Energy and water supply costs – Supplies and material costs).

Sources : Statistics Canada (According to the annual report on logging and manufacturing of 2004) and Institut de la statistique du Québec

Economic importance of Québec's forest product exports (including furniture and printing) [1] ($, million)

	2005	2006
Forestry and logging (NAICS 113)	10.3	8.3
Wood product manufacturing (NAICS 321)	4,201.3	3,548.1
Furniture and related product manufacturing (NAICS 337)	1,516.0	1,368.9
Paper manufacturing (NAICS 3221 and 3222)	7,282.4	7,366.1
Printing and related support activities (NAICS 323)	569.3	502.0
Total (forest sector)	13,578.4	12,793.4

1. According to NAICS.

Source : Statistics Canada (Strategis).

Construction starts in Canada and the United States (no. of units)

	2006	2007
Canada	227,395	220,000
United States	1,800,900	1,354,800

Sources : Société canadienne d'hypothèques et de logement and US Census Bureau.

Gross domestic product (GDP) [1] at factor cost by economic activity in 2006 [2] (including furniture and printing)

	($, million)	(% change)
Forestry and logging (NAICS 113)	1,184.8	-10.9
Wood product manufacturing (NAICS 321)	3,227.3	-8.5
Furniture and related product manufacturing (NAICS 337)	1,473.8	-9.2
Paper manufacturing (NAICS 3221 and 3222)	3,973.1	-8.0
Printing and related support activities (NAICS 323)	1,485.3	-2.2
Economy as a whole	225,729.8	1.8

1. GDP by sector of activity measures the added value of each industrial sector, i.e. production value less intermediate consumption value.
2. In chained (1997) dollars.

Source : Statistics Canada.

Québec's balance of trade [1] in the forest products sector and for all products [2] in 2006 (including furniture and printing) ($, million)

	Imports	Exports	Balance of trade
Wood product, furniture and related product manufacturing	1,379.0	4,917.0	3,538.0
Wood pulp, paper and paperboard, converted paper product manufacturing and printing and related support activities mills	1,208.7	7,867.9	6,659.4
Total (forest products sector)	2,587.7	12,784.9	10,197.4
All products	80,743.0	73,330.0	-7,413.0

1. Balance of trade of commercial goods with international destinations.
2. According to NAICS

Source : Institut de la statistique du Québec.

Value of Québec's shipments, principal forest products (including furniture and printing) ($, million)

	2006	2007
Sawmills	3,586	2,680
Other prefabricated millwork	1,150	837
Oriented strand board (OSB)	293	133
Particle board	589	498
Wooden doors and windows	623	639
Wooden boxes and pallets	198	169
Wooden structural products	365	329
Wooden kitchen cabinets	739	684
Furniture	3,778	3,434
Wood pulp	1,063	832
Newsprint	3,784	2,720
Paperboard	881	779
Cardboard containers	1,274	1,009
Printing	2,685	2,103

Source : Institut de la statistique du Québec.

Financial indicators

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Average exchange rate (C$/US$)	1.134	1.074
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Average exchange rate (C$/€)	1.424	1.469
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• Canada (%)	4.31	4.60
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• Canada (%)	5.81	6.10
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Source : Bank du Canada and http://www.djindexes.com.

Highlights (cont'd)

12.00.01 (2)

Average price of principal forest products

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Softwood lumber,		
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Softwood lumber,		
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Hardwood lumber,		
Montreal exchange (weighted price) (C$/1,000 bd ft)	552.6	507.6
Plywood (12.5 mm) (C$/1,000 sq.ft.)	450.0	469.0
Oriented strand board (OSB) 7/16" (C$/1,000 sq.ft.)	250.0	183.0
Bleached softwood kraft pulp (US$/mt)	770.0	875.0
Bleached hardwood kraft pulp (US$/mt)	690.0	782.0
Newsprint (US$/mt)	660.0	585.0

Sources : Pribec, Madison's Canadian Lumber Reporter, Random Lengths Publications, RISI, Inc.

Estimated revenue from wood chips in Québec (C$/1 000 bd ft) [1]

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1. Estimated revenue for every 1,000 bd ft produced.
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Profits made by Canada's forest products industry

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Profits ($, million)	640	247
Profits/sales (%)	3.3	1.2

Source : Statistics Canada : 61-008.

Share of paper mill-integrated sawmills in authorized roundwood consumption

1987	28.1 % of total consumption
2006	48.2 % of total consumption

Source : Ministère des Ressources naturelles et de la Faune (internal compilation).

Budget allocated to the secteur des forêts and the secteur des services régionaux, MRNF [1], 2006-2007 [2] ($, 000s)

Research and development	18,167.6
Forestry policies and programs	118,889.5
Forest management planning and monitoring	87,438.9
Seedling production	49,915.9
Internal management and support	900.0
Forestry loans	500.0
Total	275,811.9

1. Ministère des Ressources naturelles et de la Faune.
2. Including Forestry Fund (financed jointly by the MRNF and the industry) : forestry research, forest surveys, seedling production, planning and control.
Source : Ministère des Ressources naturelles et de la Faune, Direction des ressources financières (internal compilation).

12 The forest sector in Québec's economy

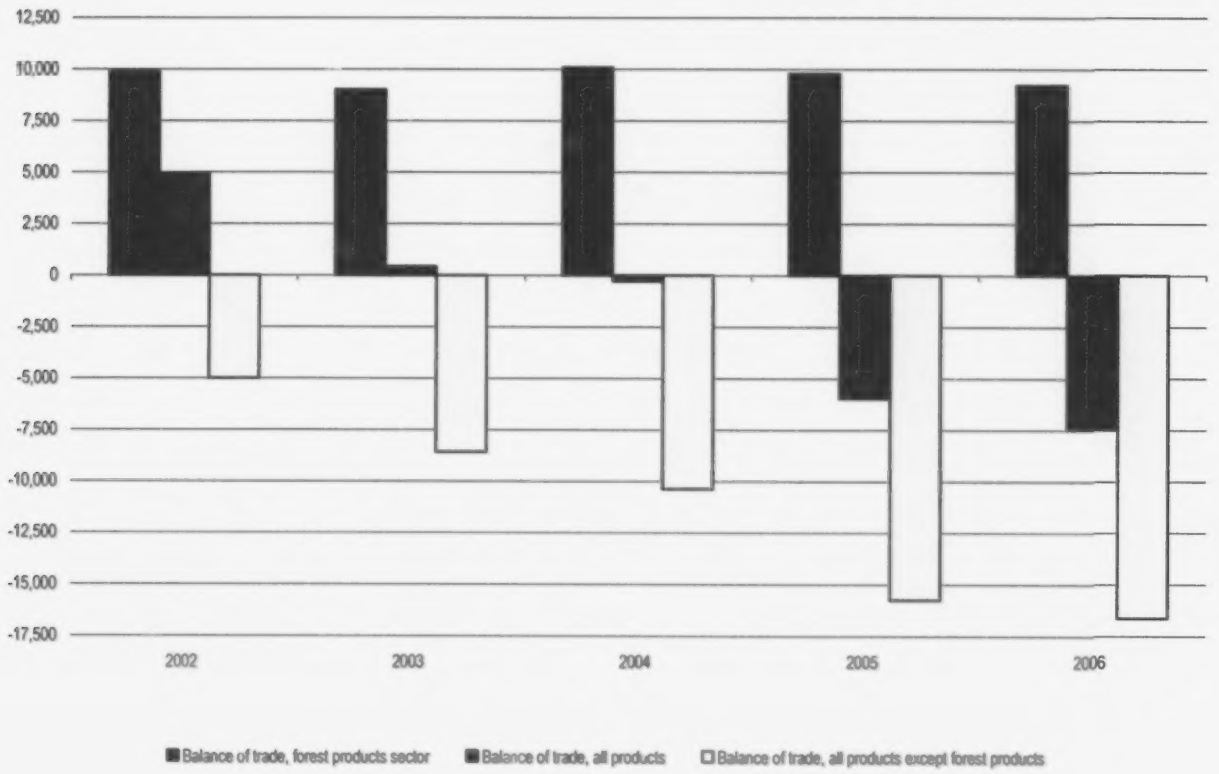
Economic and financial indicators

Economic indicators for the forest sector

Québec's balance of trade [1] in the forest products sector and for all products [2]

($, million)

12.01.13

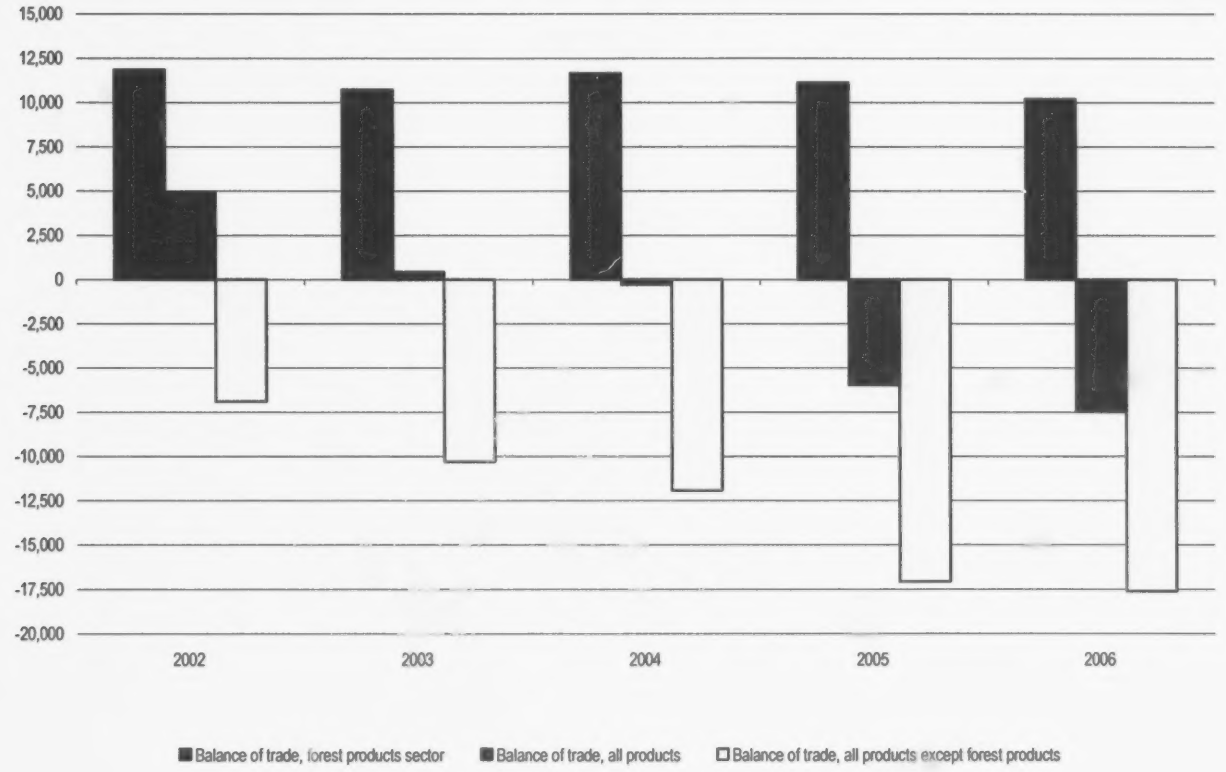


1. Balance of trade of commercial goods with international destinations.
2. According to the North American Industry Classification System (NAICS)

Source : Institut de la statistique du Québec.

Québec's balance of trade [1] in the forest products sector (including furniture and printing) **and for all products [2]**
($, million)

12.01.13 (2)



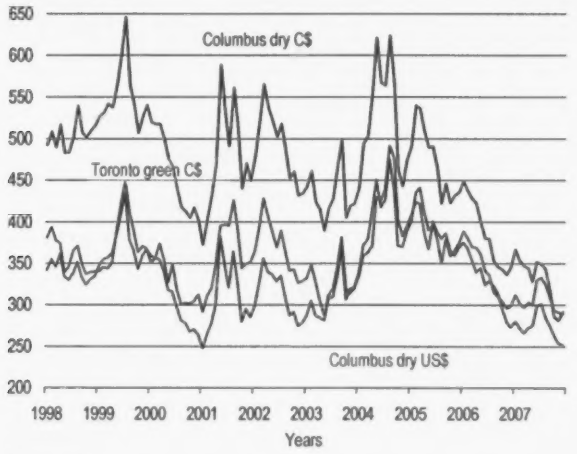
1. Balance of trade of commercial goods with international destinations.
2. According to the North American Industry Classification System (NAICS)
Source : Institut de la statistique du Québec.

Price trends

1) Softwood lumber (composit price)

($/1,000 bd ft)

12.01.38

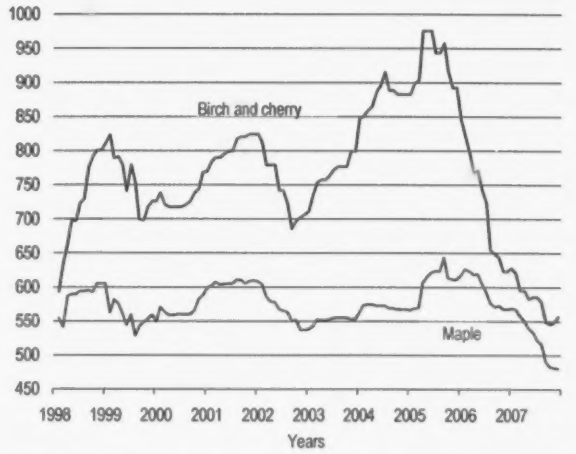


Source : Pribec.

2) Hardwood lumber (weighted price) [1]

(C$/1,000 bd ft)

12.01.39

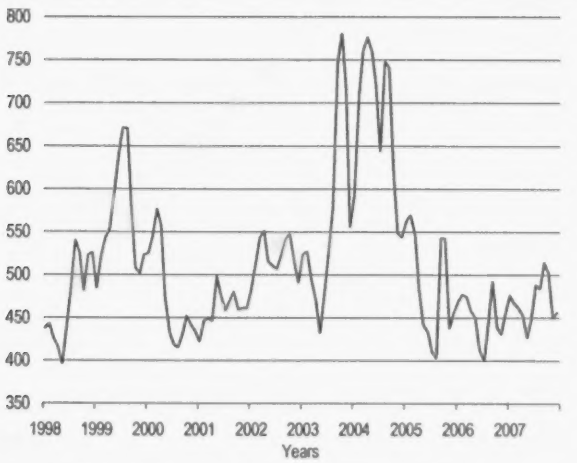


1. 4/4 raw, F.O.B. mill.
Source : Pribec.

3) Plywood (12.5 mm)

(C$/1,000 sq.ft.)

12.01.40

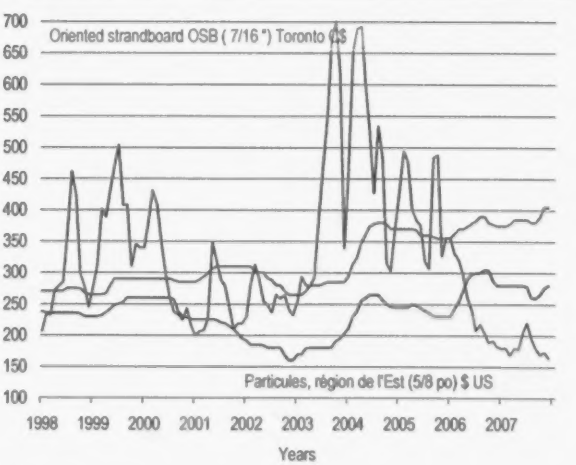


Source : Madison's Canadian Lumber Reporter.

4) Board

($/1,000 sq.ft.)

12.01.41



Source : Random Lengths.

12 The forest sector in Québec's economy

Economic and financial indicators (cont'd)

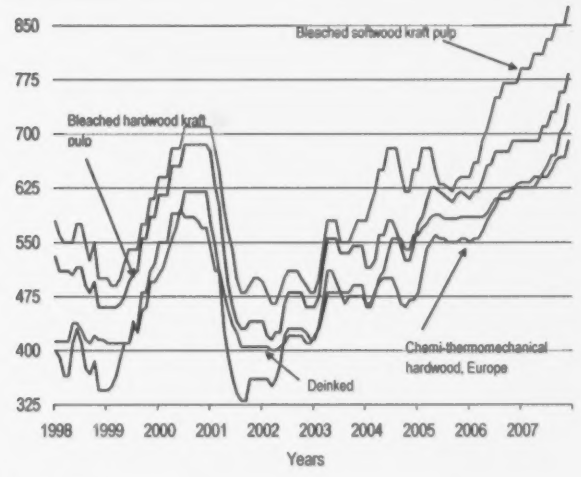
Economic indicators for the forest sector (cont'd)

Price trends (cont'd)

5) Market pulp

(US$/mt)

12.01.42

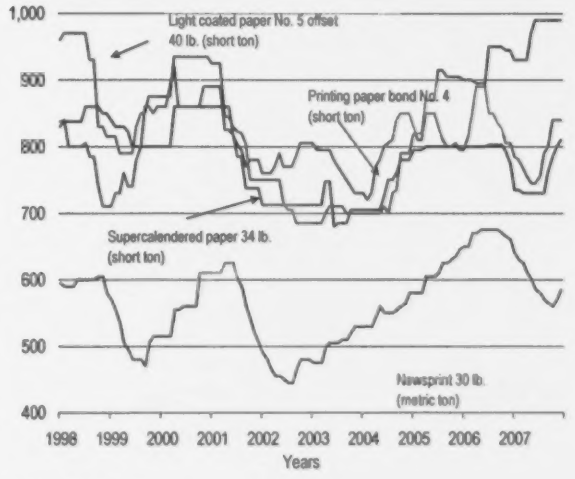


Source : RISI, Inc.

6) Paper

(US$)

12.01.43

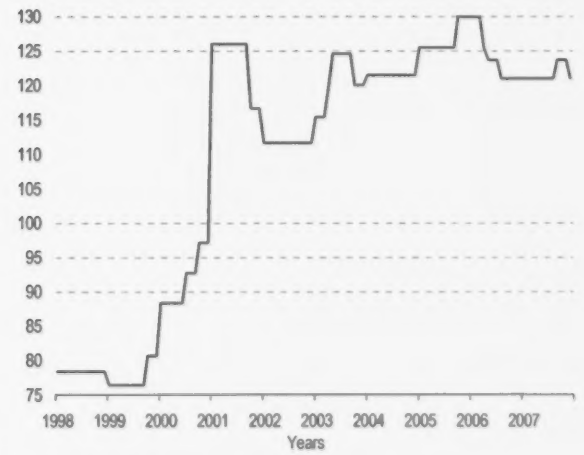


Source : RISI, Inc.

7) Revenue from Chips [1]

(C$/1,000 bd ft)

12.01.44



1. The calculation takes into account chip production per 1,000 bd ft.

Source : Ministère des Ressources naturelles et de la Faune (internal compilation).

12 The forest sector in Québec's economy

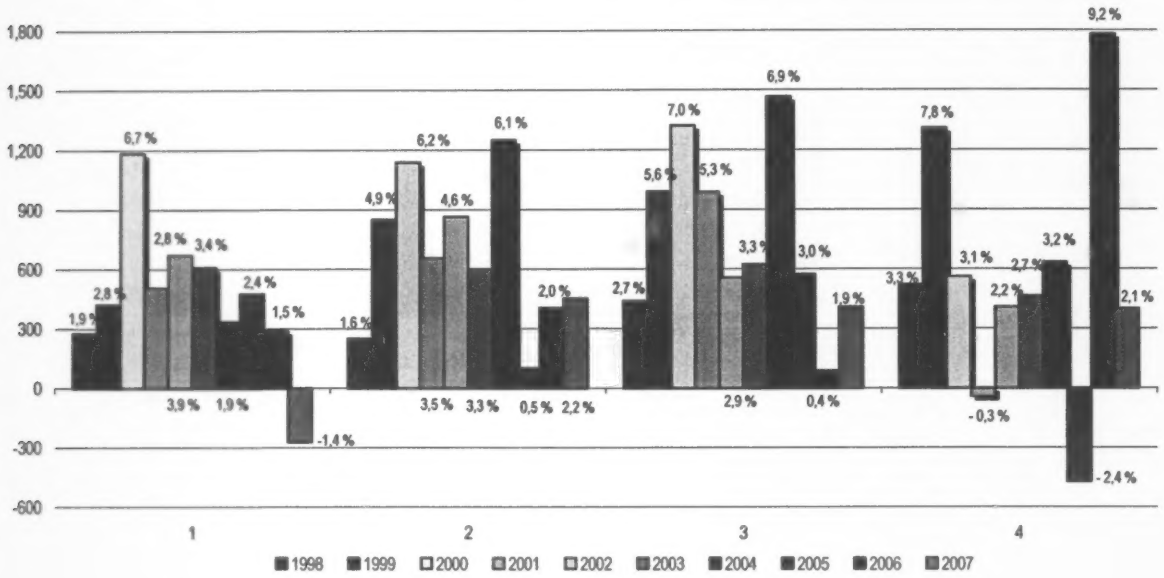
Economic and financial indicators (cont'd)

Financial indicators for the forest sector (cont'd)

Wood and paper (Canada)

Quarterly profits ($, million) and profits before extraordinary items/sales (%)

12.01.45

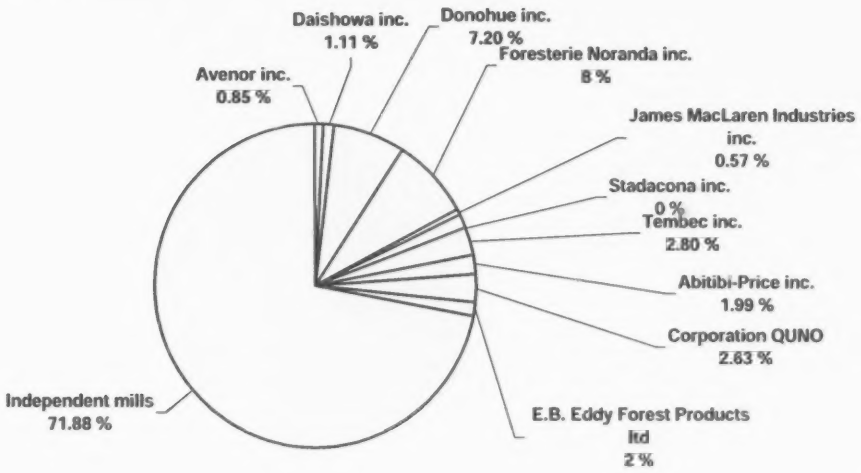


Source : Statistics Canada : 61-008.

Share of paper mill-integrated sawmills in Québec's authorized roundwood consumption (%)

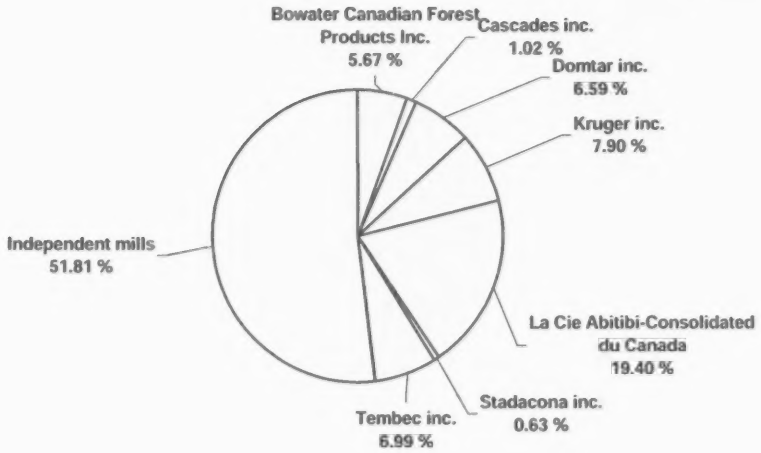
12.01.48

March 1987



12.01.49

December 2006



Source : Ministère des Ressources naturelles et de la Faune, Direction du développement de l'industrie des produits forestiers (internal compilation).

Québec